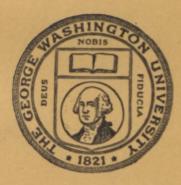




George Washington University Bulletin

CATALOGUE NUMBER
APRIL 1920



PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C., MONTHLY FROM OCTOBER TO MAY INCLUSIVE

Entered October 6th, 1904, at Washington, D. C., as second-class matter under Act of Congress of July 16, 1894



"SEEK THE TRUTH WITHOUT PREJUDICE SPEAK THE TRUTH WITHOUT FEAR."

George Washington University BULLETIN

CATALOGUE NUMBER

APRIL, 1920

"SEEK THE TRUTH WITHOUT PREJUDICE SPEAK THE TRUTH WITHOUT PEAR."

George Washington University
BULLETIN

CATALOGUE NUMBER

AFRIL 1920

CONTENTS

Medical School Deatal School.

PART I. GENERAL	PAGE
Part I. General Calendar	. 8.0
Trustees	10.11
University Council	10-11
Administrative Officers.	19
President's Council	14
History and Organization	15-16
Library	17-18
	11-10
PART II. DEPARTMENTS OF THE UNIVERSITY:	
Department of Arts and Sciences	21-121
The School of Graduate Studies	26-31
The Colleges	32-46
Columbian College.	47-55
College of Engineering	56-64
Teachers College	65-67
Schedule of Classes in Columbian and Teachers Col-	
leges	68-71
Courses of Instruction	72-109
Summer School	110-121
Department of Medicine	
Medical School	
School for Nurses	
Dental School	165-169
Law School	
	110-101
PART III. STUDENTS:	
Department of Arts and Sciences	187-
School of Graduate Studies	187-198
Columbian College	198-234
College of Engineering	234-251
Teachers College	251-258
Summer School	258-267
Summary	268

CONTENTS

Medical School	260-271
Dental School	209-271
College of Pharman	212-213
College of Pharmacy	274
Law School	275-301
Geographical Distribution	302
General Summary	303
Degrees Conferred 1919–20	304-310
	311-312
Directory	313-320
Index	321-322

PART I GENERAL

																_	_	_	_	_
	1920 1921																			
			IUL	Y			JANUARY						JULY							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	2 9 16 23 30
		AU	JGU	ST					FEE	RU	ARY	7				AL	JGU	ST		
1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	6 13 20 27	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26						7 14 21 28	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	11 18 25	12 19 26	6 13 20 27
_		SEP	TEN 1	IBE 2	R 3	4				ARC	_	1 4	5	SEPTEMBER						
5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24	11 18 25	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24 31	11 18 25	12 19 26	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24
		OC	TOI	BER					A	PRI	L			OCTOBER						
3 10 17 24 31	11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29
_	-	NOI						MAY						NOVEMBER						
7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24	11 18 25	5 12 19 26	6 13 20 27	1 8 15 22 29	9 16 23 30	3 10 17 24 31	11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24	11 18 25	5 12 19 26
_		DEC	-	_	_			JUNE						DECEMBER						
5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24 31	11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24	11 18 25	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	9 16 23 30	3 10 17 24 31

UNIVERSITY CALENDAR

	C	MIVERSIII CALLINDIII
	1920	
February	2	Monday.—Second half-year begins.
February		Sunday.—Winter Convocation Sermon.
February		Monday.—Winter Convocation. A holiday in all De-
		partments of the University.
April	2-5	Friday to Monday, both inclusive.—Easter Holidays.
April	11	Tuesday.—Davis Prize Speaking.
April	19	Monday.—Last day on which theses of candidates for
- Part		the Doctorate degree at the Commencement may be
		presented.
May	17	MondayLast day on which theses of candidates for
		the Engineering and Master's degrees at the Com-
		mencement may be presented.
May	20	Thursday.—Final examinations, Department of Arts and
		Sciences begin.
May	25	Tuesday.—Doctorate Disputation.
May	30	Sunday.—Baccalaureate Sermon.
May	31	Monday.—Commencement.
June	17-30	Registration for the Summer School.
June	21	Monday.—Instruction begins in the three-credit courses
		coming at 7.45 A. M., and in all afternoon classes.
June	28	Monday.—Instruction begins in the two-credit course
		coming in the forenoon.
Septeml	ber 29	Wednesday.—Academic year begins in all departments
		of the University.
October	12	TuesdayLast day on which theses of candidates for
		Engineering and Master's degrees at the Fall Convo-
		cation may be presented.
October	r 13	Wednesday.—Stated meeting of the Board of Trustees.
October	r 28	Thursday.—Fall Convocation.
Novem	ber 25-	
		recess.

RECESS FROM DECEMBER 24, 1920 TO JANUARY 2, 1921, BOTH INCLUSIVE

	1921	
January	7	FridayLast day on which theses of candidates for the
		Doctorate degree at the Winter Convocation may be presented.
January	12	Wednesday.—Stated meeting of the Board of Trustees.
January	24	Monday.—Midyear examinations in the Department of Arts and Sciences begin.
January	31	Monday.—Last day on which theses of candidates for the Engineering and Master's degrees at the Winter Convocation may be presented.

UNIVERSITY CALENDAR

T	31	Monday.—Second half-year begins.						
January	77	Tuesday.—Doctorate Disputation.						
February	15	Sunday.—Winter Convocation Sermon.						
February		Tuesday.—Winter Convocation. A holiday in all de-						
February	22	Tuesday.—Winter Convocation.						
		partments of the University.						
March	4	Friday.—Inauguration Day. Holiday in all depart-						
		ments of the University.						
March 2	5-28	Friday to Monday, both inclusive.—Easter Holidays.						
April	6	Tuesday.—Davis Prize Speaking.						
April	25	Monday.—Last day on which theses of candidates for						
reprin	20	the Doctorate degree at the Commencement may be						
		presented.						
Man	23	Monday.—Last day on which theses of candidates for						
May	40	the Engineering and Master's degrees at the Com-						
		mencement may be presented.						
	0.0	Wednesday.—Final examinations, Department of Arts &						
May	25							
		Sciences begin.						
May	- 31	Tuesday.—Doctorate Disputation.						
June	1	Wednesday.—Annual meeting of the Board of Trustees.						
June	5	Sunday.—Baccalaureate Sermon.						
June	8	Wednesday.—Commencement.						
June	16-25	Registration for the Summer School.						
June	20	Summer School opens.						

THE BOARD OF TRUSTEES

WILLIAM MILLER COLLIER, M. A., LL. D. President of the University.

1921.

*John T. Doyle, LL. M., M. Dip., D. C. L., U. S. Civil Service Commission.

George Fleming Moore, P. O. Box "G," Station "F."
GILBERT HOVEY GROSVENOR, A. M., 1328 Eighteenth Street.
*HARRY CASSELL DAVIS, A. M., L. H. D., 1929 Eighteenth Street.
THEODORE W. NOYES, A. M., LL. D., Care of The Evening Star.
John Barton Payne, LL. D., 1601 Eye Street.
HENRY CLEVELAND PERKINS, 1701 Connecticut Avenue.
MAXWELL VAN ZANDT WOODHULL, A. M., 2033 G Street.

1922.

LOUIS HERTLE, Gunston Hall, near Lorton, Va.
ARCHIBALD HOPKINS, A. M., LL. B., 1826 Massachusetts Avenue.
THOMAS SNELL HOPKINS, LL. B., Hibbs Building.
*WILLIAM BRUCE KING, A. M., LL. M., 1822 Wyoming Avenue.
MARTIN AUGUSTINE KNAPP, A. M., LL. D., Southern Building.
CHARLES CARROLL GLOVER, JR., M. A., LL. B., 737 Fifteenth Street.
THOMAS NOTLEY MCLAUGHLIN, M. D., 1736 Connecticut Avenue.
*ERNEST LAWTON THURSTON, C. E., A. M., 1414 Madison Street.
CHARLES I. CORBY, Rockville Pike, Md.

1923.

*John Joy Edson, LL. B., 1324 Sixteenth Street.
WILLIAM JAMES FLATHER, Riggs National Bank.
*John B. Larner, LL. B., LL. D., Washington Loan & Trust Bldg.
ABRAM LISNER, A. M., 1723 Massachusetts Avenue.
HENRY BROWN FLOYD MACFARLAND, 1420 New York Avenue.
WALTER RUPERT TUCKERMAN, A. B., LL. B., Bethesda, Md.
WILLIAM S. WASHBURN, M. D., 2029 Connecticut Avenue.
HENRY WHITE, LL. D., 1229 Nineteenth Street.
EDWARD H. EVERETT, 23d Street and Sheridan Circle.

^{*} Nominated by the Alumni.

Chairman of the Board of Trustees JOHN B. LARNER

Vice-Chairman of the Board of Trustees ARCHIBALD HOPKINS

STANDING COMMITTEES OF THE BOARD OF TRUSTEES

Executive.—The President, H. C. Davis, W. J. Flather, A. Hopkins, T. S. Hopkins, W. B. King, A. Lisner, Maxwell Van Zandt Wood-Hull.

Finance.-H. C. DAVIS, W. J. FLATHER, W. R. TUCKERMAN.

Subscriptions and Endowments.—C. C. Glover, Jr., H. B. F. Macfarland, W. R. Tuckerman, H. C. Perkins, Maxwell Van Zandt Woodhull, George F. Moore, A. Lisner, Louis Hertle.

Honorary Degrees.—The President, A. Hopkins, H. White, G. H. Großvenor, M. A. Knapp.

Columbian College.-H. C. Davis, W. B. King, T. W. NOYES, J. T. DOYLE.

Engineering.—H. C. Perkins, E. L. Thurston, T. S. Hopkins, C. I. Corby.

School of Graduate Studies.—A. Hopkins, G. H. Grosvenor, T. W. Noyes.

Arts and Sciences.—H. C. Davis, H. C. Perkins, A. Hopkins.

Medicine, Pharmacy and Hospital.—J. B. Larner, T. N. McLaughlin, Maxwell Van Zandt Woodhull, E. H. Everett, C. I. Corby, W. S. Washburn.

Law.—J. B. Larner, M. A. Knapp, W. B. King, J. B. Payne.

Records and Archives.-H. C. DAVIS, J. T. DOYLE, E. L. THURSTON.

Treasurer's Office. - WM. J. FLATHER, H. C. PERKINS, C. C. GLOVER, JR.

Law Building and Equipment.—W. S. Washburn, W. B. King, C. C. Glover, Jr.

Counsel: CLEPHANE AND LATIMER.

Auditor: AMERICAN AUDIT COMPANY.

THE UNIVERSITY COUNCIL

Isabel Anderson, Litt. D., (Mrs. Larz Anderson), Washington.
Mr. Frederic Atherton, Washington.
Joseph S. Auerbach, Litt. D., New York City.
Hon. Perry Belmont, A. B., LL. B., Washington.
Rev. Douglas P. Birnie, D. D., Washington.
Mabel T. Boardman, LL. D., Washington.
Admiral Willard Brownson, U. S. N., LL. D., Washington.
N. Landon Burchell, A. M., LL. M., Washington.
N. Landon Burchell, A. M., LL. M., Washington.
Hon. Theodore E. Burton, LL. D., Cleveland, Ohio.
Mr. William P. Eno, Washington.
Mrs. Gibson Fahnestock, Washington.
Mrs. Charles M. Ffoulke, Washington.
Mrs. James Carroll Frazer, Washington.
Mrs. James Carroll Frazer, Washington.
Mrs. William T. Galliher, Washington.
Mrs. Archibald Hopkins, Washington.
Mrs. Julian James, Washington.
Mrs. Julian James, Washington.
Mr. F. M. Kirby, Wilkesbarre, Pa.
Rev. James S. Lemon, Ph. D., Gardner, Mass.
Mr. Newbold Noyes, Washington.
Mr. James Parmelee, Washington.
Mr. James Parmelee, Washington.
Mr. Albert Ruddock, Washington.
Mr. Albert Ruddock, Washington.
Mrs. Matthew T. Scott, Washington.
Mrs. Matthew T. Scott, Washington.
Miss Mary A. Sharpe, Washington.
Miss Mary A. Sharpe, Washington.
Miss Mary B. Temple, A. B., Knoxville, Tenn.
Mr. Corcoran Thom, LL. M., Washington.
Mr. George W. White, Washington.
Mr. Morris Williams, Philadelphia, Pa.
Rev. Charles Wood, D. D., Washington.
Miss Woodhull, Washington.

The President of the University, Chairman ex officio. The Secretary of the University, Secretary ex officio.

ADMINISTRATIVE OFFICERS

William Miller Collier, A.M., LL.D., President Elmer Louis Kayser, A. M., Secretary Charles Wendell Holmes, Treasurer

Department of Arts and Sciences

Howard Lincoln Hodgkins, Ph.D., Dean Lula Elizabeth Conner, A. B., Recorder

Columbian College

William Allen Wilbur, A.M., Litt.D., Dean

College of Engineering

Howard Lincoln Hodgkins, Ph.D., Dean

Teachers College

William Carl Ruediger, Ph.D., Dean

School of Graduate Studies

George Neely Henning, A.M., Litt.D., Dean

Department of Medicine, Dentistry and Pharmacy

William Cline Borden, M.D., Dean Oscar Benwood Hunter, A.B., M.D., Assistant Dean

Medical School

William Cline Borden, M.D., Dean

Dental School

Carl Joseph Mess, D.D.S., Dean

College of Pharmacy

Henry E. Kalasowski, M.D., Phar. D., Dean

Law School

Merton Leroy Ferson, A.M., LL.M., Dean William Cabell Van Vleck, A.B., LL.B., Secretary

University Library

Alred Frederick William Schmidt, A.M., Librarian

Buildings and Grounds

Elmer Schatz, Superintendent

PRESIDENT'S COUNCIL

(Arranged in Departmental Groups)

Dean of the School of Graduate Studies

Dean of the College of Engineering

Professor of Bacteriology and Pathology

CARL JOSEPH MESS, D. D. S. Dean of the Dental School HENRY E. KALUSOWSKI, M. D., Phar.D. . . Dean of the Pharmacy School

Committees of the President's Council

Catalogue and Other Publications.—The President, the Secretary, Professors Hodgkins, Wilbur, and Ruediger.

Admissions.—Professors Hodgkins, Ruediger, and Wilbur.

Commencement Exercises.—The President, Professors Swett, Alden, the Secretary, and the Treasurer.

Schedule.—Professors Henning, Hodgkins, and Ruediger.

Library.—Professors Schoenfeld, Henning, the Librarian.

Summer School.—Professors Ruediger, Hodgkins, Hunter, and Van

Student Activities.—Professors Halsey, Henning, Ruediger, Van Vleck (Secretary,) Doyle, Morrison, and Kalusowski.

HISTORY AND PRESENT ORGANIZATION

HISTORY

The George Washington University is the successor of the Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Colum-

bian University and in 1904 to The George Washington University.

The first commencement of Columbian College was held on the 15th of December, 1824, with the President of the United States; the Honorable John Quincy Adams, Secretary of State; the Honorable John C. Calhoun, Secretary of War; the Honorable Henry Clay, Speaker of the House of Representatives; and General Lafayette among those present.

Work in the College was confined to the Arts and Sciences until March, 1825, when the Medical Department was established under the conduct of Dr. Thomas Sewall. The Medical Department is thus in the chronological order of establishment the seventeenth medical school in the United States. In 1826 the Law Department was founded with the Honorable William T. Carroll and Mr. Justice Cranch as its professors. Shortly afterward the school was discontinued, but was reopened in 1865. A Theological School founded also in 1826 was soon moved to Newton, Mass., where it now flourishes. On October 1, 1884, the Corcoran Scientific School, now the College of Engineering, was founded. Under Dean Charles E. Munroe the School of Graduate Studies was organized in 1893. The Dental School which had as its nucleus a course of lectures begun in November 1887, will be temporarily discontinued by action of the Board of Trustees after June 1 be temporarily discontinued by action of the Board of Trustees after June 1, Teachers College was started as The Division of Education in 1907. In 1919, the National College of Pharmacy, organized in 1905 as an affiliated college of the University and suspending during the last year of the war, was reopened as the School of Pharmacy, a division of the Department of Medicine, Dentistry and Pharmacy.

EDUCATIONAL ORGANIZATION

Department of Arts and Sciences School of Graduate Studies Columbian College College of Engineering Teachers College

Department of Medicine, Dentistry and Pharmacy
The Medical School
The Dental School
The School of Pharmacy

ANNUAL COMMENCEMENT

The Annual Commencement is held thirty-six weeks after the last Wednesday in September. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 28.

The Winter Convocation is held on February 22.

UNIVERSITY ASSEMBLIES

University Assemblies will be held from time to time, the attendance of students upon which may be required.

SPECIAL UNIVERSITY LECTURES

In accord with the University's desire to provide some extension courses that will appeal to the public and especially to persons desiring to take special courses in Arts or Letters, a course of eight lectures has been arranged for the year 1920-21. The lectures will be delivered by Langdon E. Mitchell, Litt. D., and will deal principally with poetry. The lectures will be held during the first half of the second semester, most of them during the Lenten Season. Members of the public desiring to attend may obtain tickets of admission at a fee of six dollars at the office of the Recorder, Lisner Hall, 2023 G Street.

THE UNIVERSITY LIBRARY

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 55,000 volumes.

In addition to its general collections the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archeology, and history; the Mount Vernon Alcove containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a. m., to 10.30 p. m.

The Law Library, containing 7,500 volumes, is open from 8.30 a.m. to

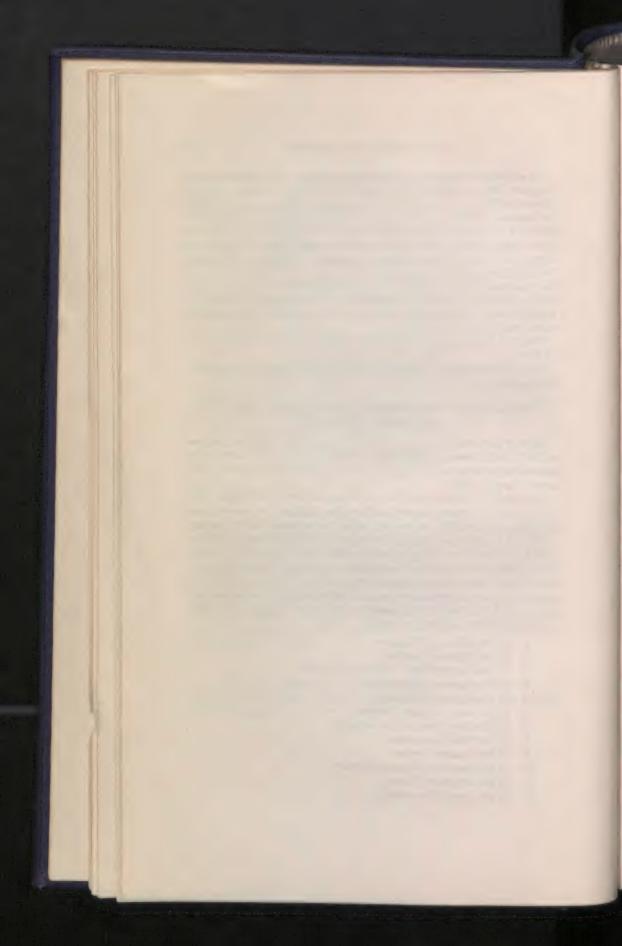
The Medical Library, containing about 3,000 volumes, is open from 9 a.m. to 9 p.m.

PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

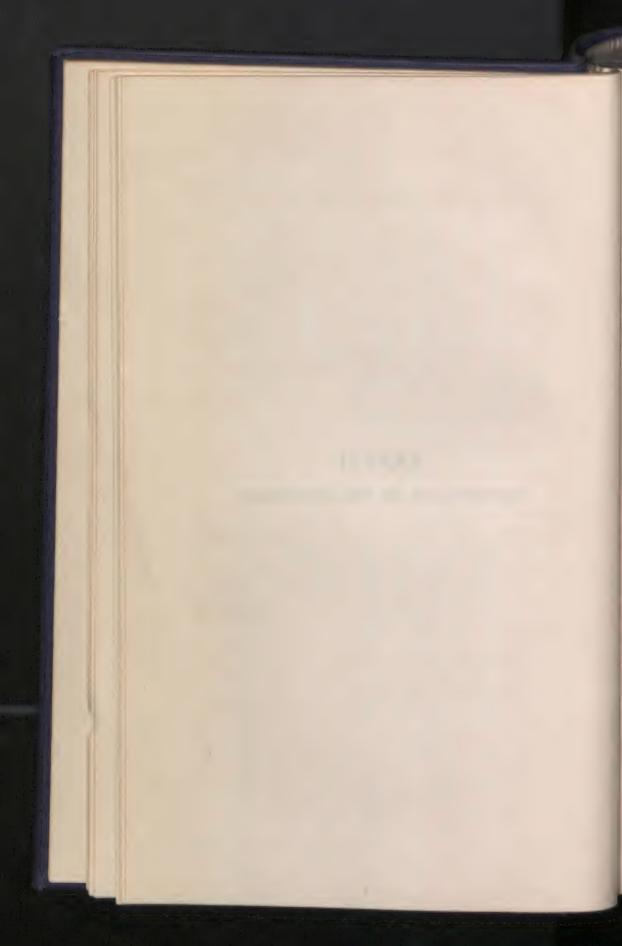
In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

- 1. Of the Library of Congress.
- 2. Of the National Museum.
- 3. Of the Patent Office.
- 4. Of the Bureau of Education.
- 5. Of the Bureau of Ethnology.
- 6. Of the Army Medical Museum.
- 7. Of the Department of Agriculture.
- 8. Of the Fish Commission.
- 9. Of the Botanic Gardens.
- 10. Of the Coast and Geodetic Survey.
- 11. Of the Geological Survey.
- 12. Of the Naval Observatory.



PART II DEPARTMENTS OF THE UNIVERSITY



DEPARTMENT OF ARTS AND SCIENCES

FACULTY

WILLIAM MILLER COLLIER, LL.D.......President of the University James Howard Gore, Ph.D., LL.D., Litt.D.,

Professor Emeritus of Mathematics

Professor Emeritus of Philosophy

CHARLES EDWARD MUNROE, Ph.D., LL.D.,

Dean Emeritus of the School of Graduate Studies and Professor Emeritus of Chemistry.

GEORGE PERKINS MERRILL, Ph.D., Sc. D... Professor Emeritus of Geology Frank Wigglesworth Clarke, Sc.D., LL.D.,

Professor of Mineral Chemistry

WILLIAM ALLEN WILBUR, A.M., Litt.D.,

Dean of Columbian College and Professor of English

CHARLES CLINTON SWISHER, Ph.D., LL.D............ Professor of History MITCHELL CARROLL, Ph.D.,

Professor of Archaeology and the History of Art
PAUL BARTSCH, Ph.D......Professor of Zoology

GEORGE NEELY HENNING, A.M., Litt.D.,

Dean of the School of Graduate Studies and Professor of Romance Languages.

SHEPHERD IVORY FRANZ, Ph.D., LL.D., M.D.,

Professor of Experimental Psychology

WILLIAM CARL RUEDIGER, Ph.D.,

 JOAQUIN DE SIQUEIRA COUTINHO, Kt., Sc.D.,

Professor of Preventive Medicine CHARLES EDWARD HILL, Ph.D...... Professor of Political Science John Thomas Erwin, A.M..... Professor of Mathematics HIRAM COLVER McNeil, Ph.D.....Professor of Chemistry ALLERTON SEWARD CUSHMAN, Ph.D......Professor of Chemistry Otis Dow Swett, S.M., LL.M.....Professor of Chemistry ALLAN BOWYER McDaniel, B.S., ... Acting Professor of Civil Engineering JOHN RAYMOND LAPHAM, M.S. in C.E......Professor of Civil Engineering NEXIL MONROE HOPKINS, Ph.D. Assistant Professor of Chemistry Edwin Allston Hill, Ph.D. Assistant Professor of Chemistry LEVI RUSSELL ALDEN, A.M., LL.B..... Assistant Professor of History Bedford Brown, S.B. Assistant Professor of Architecture GEORGE MORTON CHURCHILL, Ph.D. Assistant Professor of History EDWARD ROGERS NOVES, M.D......Assistant Professor of Chemistry THOMAS BENJAMIN BROWN, Ph.D. Assistant Professor of Physics CLARENCE CAMERON KOCHENDERFER, A.M.,

Assistant Professor of Commerce

HENRY GRATTAN DOYLE, A.M.,

Assistant Professor of Romance Languages

WILLIAM DARRACH HALSEY, A.B.,

Assistant Professor of Mechanical Engineering

LEONARD D. NORSWORTHY, C.E., A.M.,

Acting Assistant Professor of Civil Engineering Louis Eugene McArthur, A.M...... Assistant Professor of History Harry Grant Hodgkins, A.B..... Assistant Professor of Mathematics Elmer Louis Kayser, A.M..

FACULTY

gir.

	-
CECIL KNIGHT JONES, B.Litt	Instructor in Spanish
ALEXANDER WETMORE, M.S	
HARRIET UNDERWOOD SYMONDS, A.M	Lecturer on Education
CHARLES ELMER RESSER, Ph.D	Instructor in Geology
WALDO LASALLE SCHMITT, S.B., A.M	Instructor in Zoology
GERTRUDE RICHARDSON BRIGHAM, Ph.D.,	
	Archaeology and History of Art
EARL GORDON MARSH, C.E	
FRANK ALBERT WOODWARD, B.S. in M.E	Instructor in Civil Engineering
XAVIER TEILLARD, B. ès L	Instructor in Drawing
FRANK NCGINLEY PHILLIPS, Ph.D	Y
JUAN B. SALDANA	Instructor in Statistics
LAWRENCE C. WOODMAN, A.B.	Instructor in Spanish
DANIEL A. CHACE, A.B.	Instructor in English
CLAY LUTHER JENNISON	netructor in Nevel Architecture
C. F. KRAMER, A.M.	Instructor in Navai Architecture
JAMES C. CORLISS, A.B Ins	structor in Pomonee Landware
JOSEPH HENRY WILSON, B.S in M.E Ins	structor in Mochanical Drawing
CLETCS H. KILLIANInstru	eter in Mechanical Engineering
WILLIAM L. CHENEY, B.S.	Instructor in Physics
A. L. DiersteinInst	ructor in Applied Mathematics
JOSEPH B. RAWLINGS, B.S. in E.E Instr	ructor in Fleetrical Engineering
Frank C. Daniel, A.B	Instructor in Mathematics
H. LEFFLER, M.D.	Instructor in Chemistry
GUS KILTON PATTISON, A.B Ins	structor in Romance Languages
MERLE I. PROTZMAN, A.BIns	structor in Romance Languages
BENJAMIN C. CRUIKSHANKS, B.S. in M.E.,	The state of the s
	ctor in Mechanical Engineering
GEORGE W. PHILLIPS, B.S. in Chem	
HENRY ALBERT LEPPER, B.S. in Chem	Assistant in Chamistry
BONIFANT HAMILTON, B.S. in Chem	Assistant in Chemistry
J. NORMAN TAYLOR, B.S. in Chem	Assistant in Chemistry
PETER VALEAR, M.S	Assistant in Chemistry
ALICE J. WHITSON, B.S	Assistant in Chemistry
JAMES L. YOUNG, B.S. in Chem	Assistant in Chemistry
BEVERLY L. CLARKE	Student Assistant in Chemistry
DELMOUR J. FUQUA	Student Assistant in Chemistry
ALBERT L. GEBHART.	Student Assistant in Chemistry
SAMUEL R. KLINE	Student Assistant in Chemistry
Elmer H. Krehbiel.	Student Assistant in Chemistry
NORRIS H. SANBORN	Student Assistant in Chamisters
ALBERT A. SPEAR	Student Assistant in Chemistry
GORDON C. TIBBETTS	Student Assistant in Chemistry
PAUL C. VAN NATTA	Student Assistant in Chemistry
MEYER WEINSTEIN	Student Assistant in Chemistry
TENDIELN	Student Assistant in Chemistry

ALBERT J. FIRE	Student Assistant in Physics
CASPER L. COTTRELL,	Student Assistant in Physics
George S. Hastings	Student Assistant in Physics
DARWIN J. POPE	Student Assistant in Physics
WILLIAM J. CHEYNEY	Student Assistant in History
NONA B. POLLNER	Student Assistant in Economics
WILLIAM HARRIS	Student Assistant in Architecture
VIRGIL BROOKS WILEY	Student Assistant in History
MAY BLANCHE EINSTEIN	Assistant in the Library
MILDRED J. MOORE	Assistant in the Library
RUTH FRANCES ALLEN	Assistant in the Library
JULIA Irene Daniels	Assistant in the Library
ALMA BARKER	Assistant in the Library
HANNAH LOUISE GARDNER DONK	Assistant in the Library
JOHN R. MASON	Assistant in the Library
RUTH FRANCES ALLEN	Student Assistant in English
JOHN AMAN	Student Assistant in English
ROBERT BOSWORTH	Student Assistant in English
JULIA IRENE DANIEL	Student Assistant in English
ETHEL JOHNSON	Student Assistant in English
QUINTER LYON	Student Assistant in English
HELEN MANKEY	Student Assistant in English
MARGARET METZEROTT	Student Assistant in English
AGNES NELSON	Student Assistant in English
HERBERT B. NICHOLS	Student Assistant in English
LILLIE M. PAYNE	Student Assistant in English
MARGARET PREINKERT	Student Assistant in English
ELIZABETH SCHAAF	Student Assistant in English
MIRIAM SELAH	Student Assistant in English
NATHERINE SYMMONDS	Student Assistant in English
BEATRICE TAIT	Student Assistant in English
LELLA WARREN	Student Assistant in English
Lydia Westcott	Student Assistant in English
	The state of the s

FACULTY OF THE SCHOOL OF GRADUATE STUDIES

President Collier, Dean Henning, Professors Hodgkins, Schoenfeld, Clarke, Wilbur, Swisher, Carroll, Bartsch, Henning, Hall, Franz, Smith, Ruediger, Schmidt, Moore, Humphreys, Richardson, Littlehales, Bassler, Kern, Croissant, Schapiro, Michelson, Pryor, C. E. Hill, Coutinho, Cohen, Erwin, Cushman, McNeil, Swett, Lapham. Assistant Professors Hopkins, E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, Kayser, Bolwell, Metcalf; Messrs. Small, Van Orstrand, Miss Brigham.

FACULTY OF COLUMBIAN COLLEGE

President Collier, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Carroll, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt, FACULTY 25

Richardson, Bassler, Kern, Croissant, Coutinho, Schapiro, C. E. Hill, McNeil, Erwin, Swett, Lapham; Assistant Professors E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, McArthur, Hodgkins, Bolwell, Metcalf, Kayser; Messrs. Cullom, Jones, Resser, Teillard, Cheney, Pattison, Protzman, Cruikshanks, Miss Macmillan, Miss Brigham.

FACULTY OF COLLEGE OF ENGINEERING

President Collier, Dean Hodgkins, Professors Schoenfeld, Wilbur, Henning, Bibb, Schmidt, Littlehales, Bassler, Harris, McNeil, Erwin, Swett, Lapham; Assistant Professors Alden, Brown, T. B. Brown, Doyle, Halsey, Norsworthy, H. G. Hodgkins; Messrs. Cullom, Resser, March, Cheney, Pattison, Protzman, Cruikshanks.

FACULTY OF TEACHERS' COLLEGE

President Collier, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin, Swett; Assistant Professors Alden, T. B. Brown, Kochenderfer, Doyle, McArthur, Kayser, Bolwell, Metcalf; Messrs. Small, Cheney, Pattison, Protzman; Mrs. Albion, Mrs. Symonds,

SCHOOL OF GRADUATE STUDIES

HIGHER DEGREES

The higher degrees conferred in course by the University in this Division of the Department of Arts and Sciences are Master of Arts (A. M.), Master of Science (S. M.), Civil Engineer (C. E.), Electrical Engineer (E. E.), Mechanical Engineer (M. E.), and Doctor of Philosophy (Ph. D.).

ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies on application blanks, which may be obtained of him. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

To be admitted to candidacy for the Master's degree a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidate for pursuring the subjects chosen for the Master's or other higher degree sought. In seeking admission the applicant must state whether he desires to obtain the Specialist degree or the Liberal Culture degree.

The Specialist degree is designed for students who propose to specialize in their work. Such candidates are required to complete one major and two minor subjects selected from properly correlated and approved University subjects amounting to twenty-four semester-hours, and to present a satisfactory thesis, which shall count for six semester-hours. One of the minor topics may be selected from the University subject which includes the major topic. The major topic shall cover not less than fifteen nor more than eighteen semester-hours, including the thesis, a minor topic, not less than six or more than nine.

The Liberal Culture degree is designed for students who do not intend to specialize in their work. Such candidates are required to complete a course of study amounting to not less than thirty semester-hours of work distributed among three approved University subjects, of which not more than eighteen semester-hours, including the thesis, shall be given to any one subject. The candidate must also present a thesis in the field to which the major subject belongs, which shall count for six of the required thirty credits.

A candidate for a Master's degree must pass at least one full year in residence and study at this University, and no work done in satisfaction of the requirements for the Bachelor's degree shall be counted again for a higher degree. Under no circumstances may courses in the First Section, "Primarily for undergraduates," be counted towards any higher degree, though a graduate student may be allowed to take them without receiving academic credit.

Advanced work done elsewhere may be credited toward the Master's degree in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

Work for which the Master's degree has been awarded may be credited as one year of work toward the degree of Doctor of Philosophy, provided that it be in the same field of work.

HIGHER DEGREES IN ENGINEERING

To be admitted to candidacy for higher degrees in Engineering a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree in Engineering, and of such a character as to fit him to pursue to advantage the study of advanced engineering topics. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the courses of study pursued for the Bachelor's degree must be approved by the Faculty as qualifying the candidate for pursuing the chosen line of study for the degree sought.

A candidate for a degree in Engineering shall pass at least one year of residence at this University. He shall satisfactorily complete approved courses aggregating not less than thirty semester-hours, of which a thesis shall count six.

Advanced work done elsewhere may be credited toward a degree in Engineering in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred upon a student who has pursued specialized courses in university subjects for a period of not less than three years, has engaged in research under university auspices, has submitted an acceptable thesis, and has met all the requirements prescribed. The degree is given for high attainments and proved ability to do research work in some special branch of knowledge, as determined by the various tests applied.

Before a student can be admitted to candidacy for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. The applicant may be credited with graduate work done at other universities, provided such work is shown to be of grade similar to that required here, but at least one year, preferably the last, must be spent in residence at this University and the other requirements of the degree as prescribed must be fulfilled.

The candidate for the Doctor's degree shall offer three topics from the University subjects-one major and two collateral minor studies, one of which minors may be in the subject which includes the major topic. These must be pursued under the guidance of a committee consisting of the professors in charge of the University subjects in which the studies are pursued, with the professor in the major subject as chairman. This committee will determine his division of time, study, and research among the major and minor topics. Before the Doctor's degree is conferred, the candidate shall have pursued his major subject at least three years and each minor at least two years since he obtained his baccalaureate degree. The candidate shall pass satisfactory examinations upon the three subjects selected. He must satisfy the Professors of French and German, not more than one month after the opening of his final year, that he can read understandingly in the original, French and German works pertaining to his special field. In order to graduate the candidate must possess a broad acquaintance with his major subject and he must present a thesis upon some topic approved by the professor in charge of his major subject, which shall be a contribution to knowledge and which shall be accompanied by an adequate bibliography.

CANDIDATE'S COMMITTEE

The professors and other university officers offering the topics in which a candidate must qualify for his degree and to whom he is assigned constitute the Committee that must pass upon his work. The officer directing the major topic is chairman.

EXAMINATIONS

Candidates must pass examinations upon all their topics. The examinations upon the minor topics may be taken at the close of the respective years in which these topics are completed, or later, at the direction of the examiner. The final examination on the major topic shall cover the candidate's entire university work, and shall be given when the professor of that subject is satisfied that the student has taken sufficient work to

warrant such an examination being taken. If a candidate has satisfactorily passed his final examination, he may be permitted to complete his thesis away from the University.

DEFENSE OF THE THESIS

Before a candidate shall be recommended to the Board of Trustees for the degree of Doctor of Philosophy he must have successfully defended his thesis in public before a Board of Experts not officially connected with the University. Before the candidate shall be permitted to undertake the defense of his thesis, the thesis must have been favorably reported on and recommended for defense by the professor having supervision over the candidate's major topic, and by a co-referee appointed from the Faculty of Graduate Studies.

The subjects from which the candidate's selection may be made, as the

Faculty may determine in each case, are as follows:

Applied Mathematics, Archaeology, Anatomy, Architecture, Astronomy, Astro-Physics, Bacteriology, Botany, Chemistry, Civil Engineering, Commerce, Economics, Education, Electrical Engineering, Ethnology, French, Embryology, English, Ethics, Geology and Mineralogy, Germanic Languages and Literature, Greek Language and Literature, Gynecology, Histology, Hydraulic Engineering, History, History of Art, International Law and Diplomacy, Latin Language and Literature, Law, Mathematics, Mechanical Engineering, Meteorology, Microscopy, Nautical Science, Paleontology, Pathology, Philosophy, Physics, Physiology, Pharmacology, Political Sciences, Preventive Medicine, Psychiatry, Psychology, Romance Languages and Literatures, Semitics, Sociology, Spanish, Zoology.

REGULATIONS REGARDING THESES

All theses for each degree sought must, in their final form, be presented to the Dean on the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The Dean will present theses to the Chairman of the Committees on the candidates; doctoral theses will further be submitted for examination to the co-referees appointed from the Faculty. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies. The candidate for the degree of Doctor of Philosophy is expected to print his thesis under the supervision of the professor in charge of his major subject, within one year after the degree is granted, and he is expected to present one hundred copies to the University, to be distributed among institutions of learning.

DOCTORATE DISPUTATIONS

The Thirty-Sixth Doctorate Disputation was held publicly on May 27, 1919. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The classification and biology of the North American Cerambycid Larvae. By Frank Cooper Craighead, B. S., 1912, Pennsylvania State College; M. S., 1915, George Washington University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Andrew Delmar Hopkins, Ph. D., Forest Entomologist, in charge of Insect Investigations, Bureau of Entomology, U. S. Department of Agriculture; Adam Bvöing, Ph. D., Expert in Coleoptera, Bureau of Entomology. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: Relation of initial ability to the extent of improvement. By Frank McGinley Phillips, M. Di., Iowa State Normal School; A. B., 1908, Iowa State Teachers' College; A. M., 1915, State University of Iowa. Before Edward Franklin Buchner, Ph. D., Professor of Education, Johns Hopkins University; McLeod Harvey, Ph. D., Professor of Education, Howard University; Will Carson Ryan, Jr., A. B., Director of Information Service, U. S. Bureau of Education. William Carl Ruediger, Ph. D., Professor of Educational Psychology, presiding.

The Thirty-seventh Doctorate Disputation was held publicly on October 16, 1919. The thesis that was successfully defended, the candidate, and

the members of the board of experts, were as follows:

Thesis: The effect of bleaching with oxides of nitrogen upon the baking qualities and commercial value of wheat flour. By Edward Elmer Smith, B. S. in Chemical Engineering, 1914, University of Idaho; M. S., 1916, George Washington University. Before Harvey Washington Wiley, A. M., M. D., LL. D., Sc. D., Contributing Editor, Good Housekeeping Magazine; formerly Chief Chemist, U. S. Department of Agriculture; Arthur Philip Greele, A. B., LL. M., Patent Attorney, formerly Assistant Commissioner of Patents; Henry Corbin Fuller, B. S., in charge of the Division of Food Products, Institute for Industrial Research. Hiram Colver McNeil, Ph. D., Professor of Chemistry, presiding.

The Thirty-eighth Doctorate Disputation was held publicly on February 2nd and 3rd, 1920. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The detection and estimation of small amounts of organic nitro compounds with special reference to the examination of the urine of TNT workers. By Elias Elvove, B. S., 1903, M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. Before Carl Lucas Alsberg, A. M., M. D., Chief, Bureau of Chemistry, U. S. Department of Agriculture; Atherton Seidell, M. S., Chemist, Office of the Hygienic Laboratory, U. S. Public Health Service; Morris A. Pozen, B. S. in Chemistry, Phar. D., Chief Chemist, Health Department, of the District of Columbia. Charles Edward Munroe, Ph. D., LL. D., Professor Emeritus of Chemistry, Chairman, Committee on Explosives, Council of National Defense, presiding.

Thesis: Colonizing termites. By Thomas Elliott Snyder, B. A., 1907, Columbia University; M. F., Yale University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Alton Lacy Quaintance, B. S. A., M. S., Sc. D., Entomologist in charge of deciduous fruit investigations, U. S. Department of Agriculture; Adam Böving, Ph. D., Expert in Coleoptera, Bureau of Entomology, U. S. Department of Agriculture. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: The body temperature of birds. By Frank Alexander Wetmore, A. B., 1912, University of Kansas; M. S., 1916, George Washington University. Before Leonhard Stejneger, Head Curator, Department of Biology, U. S. National Museum; Theodore Sherman Palmer, A. B., M. D., Expert in Game Conservation, U. S. Biological Survey; Harry Church Oberholser, B. A., M. S., Ph. D., Assistant Biologist, U. S. Biological Survey. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

THE COLLEGES

The College session of 1920–21 begins Wednesday, September 29, 1920. The Colleges are open to men and women.

ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class maypresent certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. Deans of the Colleges will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be

The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

ENTRANCE EXAMINATIONS

The regular examinations for admission are held about June 1, and the schedule for the examinations is issued May 25.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Let Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine and one-half units. These units upon which the examination will be given are the following: the specified subjects—English (three units), Mathematics (two and one-half units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

DEFINITION OF REQUIREMENTS

ENGLISH

(Three Units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relations of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:

A. Reading.—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this), Group II—Shakespeare, Group III—Prose Fiction, Group IV—Essays, Biography, etc., Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

B. Study.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I, DRAMA

Shakespeare: Julius Cæsar, Macbeth, or Hamlet.

GROUP II, POETRY

Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas.

Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

GROUP III, ORATORY

Burke: Speech on Conciliation with America.

Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union.

Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV, ESSAYS

Carlyle: Essay on Burns, with a selection from Burns' Poems.

Macaulay: Life of Johnson. Emerson: Essay on Manners.

A test on the books prescribed under the Study groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington High Schools.

LATIN

Elementary (two units)

a. I. Latin Grammar The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Cæsar.

b. Cæsar: Any four books of the Gallie War, preferably the first four.

Advanced (two units)

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of Æneid.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

GREEK

Elementary (two units)

a. I. Greek Grammar: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's Anabasis.

b. Xenophon: The first four books of the Anabasis.

Advanced (one unit)

a. Homer: The first three books of the Iliad (omitting II, 494, to end).
 b. Sight Translation, based on prose of no greater difficulty than Xenophon's Anabasis.

FRENCH

Elementary (two units)

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duodecimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-year's course of five periods per week.

Advanced (two units)

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four-year's course of five periods per week.

Fraser and Squair's French Grammar or Grandgent's Essentials of French Grammar is recommended.

SPANISH

(Two units)

Candidates in Spanish must have a good knowledge of grammar including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-year's course of five periods per week.

GERMAN

Elementary (two units)

Candidates in Elementary German must have had a two-year's course or five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units)

Candidates in Advanced German must have had a four-year's course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller, and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

HISTORY

In this subject special importance is attached to preparation in geography.

Ancient (one unit)

a. Greek History, through the Roman Conquest; as much as is contained in Myer's, Bottsford's, or West's History of Greece.

b. Roman History; as much as is contained in Allen's, Bottsford's or West's History of the Roman People.

Mediaeval History (one unit)

As much as is contained in first twenty chapters of Robinson's Mediaeval and Modern Times.

Modern European History (one unit)

As much as is contained in Robinson's Mediaeval and Modern Times from chapter 21 to the end.

English History (one unit)

As much as is contained in Larned's or Cheyney's History of England.

American History with the Elements of Civil Government (one unit)

As much as is contained in Fiske's History of the United States, and Fiske's Civil Government.

MATHEMATICS

Elementary and Intermediate Algebra (one and one-half units)

I. Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

II. Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit)

The progressions; the elementary treatment of permutations and combinations; the use of four and five place tables of logarithms; undertermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit)

General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit)

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

Plane Trigonometry (one-half unit)

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

PHYSICS

(One unit)

It is recommended that the candidate's preparation should include:

- a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.
 - b. Instruction by lecture-table demonstrations.
- c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

The laboratory note-book must be submitted for inspection, whether the candidate is admitted on certificate or by examination.

CHEMISTRY

(One unit)

The candidate's preparation in chemistry should include:

a. Individual laboratory work, comprising at least forty experiments of a character analogous to those set forth by the College Entrance Examination Board. The laboratory note-book must be submitted for inspection.

b. Instruction by lecture-table demonstrations.

c. The study of at least one modern text-book.

Requirements.—The ground to be covered should include the following: The chief physical and chemical characteristics, the isolation and the recognition of the following elements and the preparation and study of their principal compounds: Oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur, phosphorus, silicon, potassium, sodium, caleium, magnesium, zinc, copper, mercury, silver, aluminum, lead, tin, iron, manganese, chromium.

The more detailed study should be confined to the italicized elements (as such) and to a restricted list of compounds, such as water, hydrochloric acid, carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen sulphide, sodium hydroxide, ammonium hydroxide.

Attention should be given to the mosphere (constitution and relation to animal and vegetable life), flame, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and on Boyle's and Charles' laws, symbols, formulas, equations and nomenclature, atomic theory, atomic weights, nascent state, natural groupings of the elements, solution (solvents and solubility of gases, liquids, and solids), strength of acids and bases, conservation and dissipation of energy, chemical energy and electrolysis, and of valence, electrolytic dissociation, osmosis, mass action in a very elementary way. Chemical terms should be clearly understood, and the student should be able to illustrate and apply the ideas that they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts. The facts should be given as examples from various classes and not as isolated things.

ADDITIONAL SUBJECTS

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

Manual-training High School Subjects

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units).

Business High School Subjects

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

ADMISSION TO ADVANCED STANDING

Due credit is given for properly certified courses of study pursued in other colleges and universities.

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September fifteenth. All Scholarships except the Kendall Scholarship and the University Scholarships are awarded for one year only but they may be renewed. Any student holding a scholarship who fails to obtain a general average of \$5 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarships will be revoked. All scholarships are awarded by the Faculty of Arts and Sciences on recommendation of its Committee on Scholarships and other University aid.

SCHOLARSHIPS FOR COMPETITION

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.

Kendall Scholarship.—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington High Schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory, and graduation fees.

University Scholarships.—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington High Schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory, and graduation fees.

SCHOLARSHIPS FOR ASSIGNMENT

Davis Scholarship.—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

Mary Lowell Stone Scholarship.—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

Maria M. Carter Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

Farnham Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

Withington Scholarship.—This scholarship was founded in 1830, by the New York Baptist Theological Seminary, to be known as the Withington scholarship. It has an annual stipend in tuition fees of sixty dollars.

Walker scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Nellie Maynard Knapp Scholarship Fund.—A fund of \$5,000 established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

Henry Harding Carter Scholarships.—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, consist of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Isabel Anderson Scholarship Fund.—A fund of \$1,000 given by Isabel (Mrs. Larz) Anderson, Litt. D., for the education of needy Filipino students. Students under this fund are nominated by the Bureau of Insular Affairs of the War Department.

The Byron Andrews Scholarship Fund.—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Founders of Columbian Women Scholarship.—This scholarship was established by the Columbian Women in 1920. At present it consists of a fund of \$1,800 the income from which may be assigned to a deserving woman student. Application may be made to any of the Deans of the Department of Arts and Sciences.

Admiral Powell Endowment.—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examination as warrant officers in the Engineer Department of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

Navigation and Nautical Astronomy	-	lours
Algebra and Geometry		
Trigonometry		
Mechanical and Machine Drawing		
English		6
French		6
German		6
Spanish		6
International Law		
Commercial Geography		
Boilers and Power Plants		
Mechanical Laboratory		
Electrical Engineering		6

Ministerial Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

University Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Departments of Arts and Sciences, whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

PRIZES

(Only candidates for degrees may compete for these prizes)

Staughton and Elton Prizes.—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

Ruggles Prizes.—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Davis Prizes.—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, of ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

Daughers of the American Revolution Prizes.—These prizes founded by the Daughters of the American Revolution of the District of Columbia, consist of two gold medals, awarded annually to the two students in the graduating class who, having maintained a high standing in the regular courses in Mediaeval, Modern European, English, and American History during three years, shall produce the best essays upon an assigned topic of American history.

The Thomas F. Walsh Prize.—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the

graduating class who, having maintained a high standard in the regular classes of Mediaeval, Modern European, English, and American History, shall produce the best essay upon a designated period of the History of England.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Willie E. Fitch Prize.—The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.

The Gardiner G. Hubbard Memorial Prize.—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the classes of American History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Muth Prize.—Geo. F. Muth and Company offer a slide rule to the student who makes the highest record in Mechanical Drawing 1.

Colonial History Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

James Macbride Sterrett, Jr., Prize.—Founded by Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

The Chi Omega Prize in Philosophy.—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a philosophical subject to be announced at the close of the preceding academic year by the Committee in Charge — Essays must meet the requirements defined by the Committee and be submitted on or before April 1. Only women students who are members of a senior class in the Department of Arts and Sciences, and who are or have been registered in General Psychology, Logic, and the History of Philosophy, are eligible to compete.

Sigma Kappa English Prize.—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Fraternity to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Pi Beta Phi Prize in Political Science.—The Pi Beta Phi Fraternity has set aside ten dollars as a prize for the best essay written during the year by a student of political science on a subject approved by the instructor. The essays must be submitted by May first.

Pi Beta Phi Prize in Education.—An annual prize of ten dollars is offered by the Pi Beta Phi Fraternity for the best essay on an educational topic. The essays will be judged by a committee of three, consisting of the Professor of Education and two others designated by him. The essays must be submitted by May first.

Phi Mu Prize in Playuriting.—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

Sigma Kappa Prize in Chemistry.—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Fraternity to that student who passes the best examination in Chemistry 1, 2 and 23.

Genericve Chatterton McCutchins Prizes.—Two cash prizes of \$25.00 and \$15.00, based on the income of a memorial fund of one thousand dollars, to be awarded annually for the best and the next best essays on subjects connected with Archaeology or Painting. In their award consideration will be given to students' knowledge of contemporary literature, history, or music, as relating to the progress of the fine arts. These prizes are open to both graduates and undergraduates.

Kappa Alpha Prize in Economics.—An annual prize of ten dollars is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

DAVIS PRIZE SPEAKING

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to the Dean of Columbian College not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee consisting of three members, selected by the Faculty of the Columbian College.

PRIZE AWARDS, 1918-1919

Staughton Prize.-Rebekah Sanborn.

Ruggles Prizes.—Frank Langelotti.

Davis Prizes.—First prize, Earle Milburn Wallick; second prize, Margaret Joanna Prentiss; third prize, Lasalia McCaffrey.

Daughters of the American Revolution Prizes.—Sadie White Beller, Ralph Aaron Styer.

Thomas S. Walsh Prize. - Lino Juan Castillejo.

E. K. Cutter Prize. - Margaret Joanna Prentiss.

Gardner G. Hubbard Prize. - Earle Milburn Wallick.

Muth Prize.-Frank Russell Garman.

Colonial Dames Prize. - Eugene Underwood.

Chi Omega Prize in Sociology.—Mary Louise Sturman.

Sigma Kappa Prize.-Ora May Mon.

Pi Beta Phi Prize in Political Science.—Herbert Clarence Fooks.

Pi Beta Phi Prize in Education.—Charles Geschicketer.

Phi Mu Prize.—Evelyn Emig.

HIGH SCHOOL SCHOLARSHIP AWARDS, 1918-1919

Kendall Scholarship.—Henry Temin, Central High School.

First University.—Ellis Haworth, Eastern High School.

Second University.—Harry Friedenberg, Central High School.

Third University.—Elizabeth H. Kendrick, Central High School.

Fourth University.—Janet Elliot, Central High School.

Fifth University.—William Harris, McKinley Manual Training School.

Sixth University.—Marjorie S. Gerry, Central High School.

COLLEGE CHAPEL

Chapel Services are held at 12.20 p. m., Monday, Wednesday, and Friday, throughout the academic year.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will co-operate with them in all ways to make the college life one of personal helpfulness.

For catalogues, application blanks, and further information, address

THE RECORDER,

The George Washington University, 2023 G Street, Washington, D. C.

FEES

- Annual registration fee.
 Tuition fee for each semester-hour credit of courses leading to the degrees of A. B., S. B., A. M., S. M., C. E., E. E., M. E. . . . 6
 The maximum fee charged in any one year is \$180.

 Tuition fee per annum for graduate courses leading to the degree.

4. Registration fee for students taking problems of the Beaux Arts	
Society	2
5. Laboratory courses:	
Material fees:	
Experimental Psychology	2
Geology 1, Zoology, Botany, each	5
Mechanical Engineering 9, 10, 11, each	5
Chemistry 2, 3, 7, 28 and 30; Electrical Engineering; Physics,	
each	10
Chemistry 4 (Assaying)	20
Chemistry 8	5
Chemistry, 20, 21 and 25, each	25
Deposits to cover breakage of apparatus issued, the amount	
paid in excess of breakage to be returned:	
Chemistry, 2, 3, 7, 8, 28 and 30, each	10
Chemistry, 20	15
Chemistry, 21 and 25, each	20
6. Microscope rental in Botany and Zoology 1	5
7. Tuition fee for the following special course, not taken by candid	lates
for a degree:	
Chemistry 4 (Assaying)	40
8. Fee for certificates under the seal of the University	2
9. Fee for graduation	10
The sea Brown and the season s	10

The above fees are for students entering in September, 1918, or afterwards. Students who were in attendance in 1917-18 and each year since then will pay fees according to the announcements in the catalogue jor 1917-18, published in March, 1917.

Students are registered for the college year unless otherwise stated on the registration paper. All requests for withdrawals or for changes in courses of study must be made in writing to the Dean, and a student is liable for all charges for the courses for which he has registered unless changes are approved by the Dean.

All charges are by the scholastic year. Registration, library and other special fees, and laboratory deposits are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance. Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for \$200 for which a charge of \$3.00 will be made.

The first monthly payment is due not later than October first, and subsequent monthly payments are due on the first of each month. A student has no right to attend a class if his fees are unpaid and may be excluded by the Dean.

All fees are payable at the office of the treasurer of the University, 2101 G Street.

COLUMBIAN COLLEGE

ADMISSION

Candidates for admission to the Freshman Class in Columbian College sust meet the general admission requirements (p. 32) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. The fifteen units of the entrance requirement must include English, 3 units; Mathematics, 21/2 units; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units. The remainder of the requirements is elective and may be satisfied in general by any accredited secondary school subjects.

For admission to advanced standing or as special students, see (p. 39.)

REQUIREMENTS FOR DEGREES

The undergraduate degrees offered by Columbian College are Bachelor of Arts, and Bachelor of Science in Medicine. To be recommended for either of these degrees, the student must satisfy the admission requirements, and must complete at least one hundred and twenty semester-hours of undergraduate courses at least twenty-four semester-hours of which or twelve semester-hours in the combined courses), must be completed in Columbian College. A "semester-hour" of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed.

The class hours are so arranged that persons who can give only part time to college work may complete a full college course and obtain a degree. Such students usually take six years to complete the course. Classes in required and elective subjects are scheduled in the two class periods from five-ten o'clock to six-fifty. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

One grade of special distinction is recognized in awarding the bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least B (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the Department in which the student shall be studying for a degree, after the completion of all final examinations in such student's final year of study for their degree;

"That the Faculty, after separate consideration of each individual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester-hours including a group of prescribed subjects.

There are six curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

The studies of the last two years are largely elective, subject to such administrative supervision as will insure the general consistency and the liberal character of the courses selected.

The scope of the six curriculum groups is a provision alike for the diversity in the subjects of the secondary school curriculum leading to a college course, and the needs of the various graduate and professional courses of study in the University for which the college course is a preparation.

Group I emphasizes Latin and Greek studies, and it would naturally be taken by the student whose preparatory work has included four years of Latin or two years of preparatory Latin supplemented by "Latin B" in college.

Group II emphasizes the Modern Languages, affording to students whose preparation has not included Latin the humanistic influences of the literatures of the Modern Languages.

Group III emphasizes Mathematics and the Natural Sciences, and would naturally be selected by the student whose college preparation has been scientific rather than literary.

Group IV emphasizes Political Science and Economics and History, constituting important preparation for the Law School or the public service.

Group V includes all the pre-medical subjects and is specially constituted as a regular college course in preparation for the Medical School.

Group VI emphasizes Commerce and kindred subjects in preparation for commercial life or the public service.

(Note—Whenever in the following groups a modern language is taken, if it is elementary, the same language shall be continued the succeeding year.)

GROUP I, LATIN

	Semester Hours
Latin*Foreign Languages	12
English	12
History	6

CONNECTED A

			Semester Hours
Mathematics	 	0 0	. 6
Philosophy		0 0	. 6
Electives			
			120

GROUP II, MODERN LANGUAGES

	Semester Hours
Modern Languages	 . 24
English	
History	
Philsosophy	
Political Science	
Natural Science	
Electives	
	120

GROUP III, NATURAL SCIENCE

	200	mester ours
Natural Science	18	3
Mathematics	19	2-
English	(3
Modern Languages		
Philosophy	(3
Economics	(3
Electives	60)
	_	
	120	,

^{*} Students who offer only the two elementary units of Latin for admission may qualify for Group I by taking "Latin B" in college (see p. 95), but this will not be counted as a part of the twelve semester-hours of Latin required in this group.

GROUP IV, POLITICAL SCIENCE

		Semester
Political Saisman and	77	Hours
History	Economics	. 18
Commerce		. 12
English		. 6
Modern Languages		. 6
Mathematics		. 12
Philosophy		. 6
Electives		. 6
		. 54
		120

GROUP V, PRE-MEDICAL

	Semester
Chemistry, 1, 2 and 8	Hours
a mysics, o and a	
goology, I and 2	
English.	. 12
Modern Languages (preferably French or German).	. 6
Philosophy (including Psychology)	. 12
Mathematics.	. 6
Electives	. 6
	. 52
	_
	120

GROUP VI, COMMERCE

	Semester
Commerce	Hours
Political Science and History	16
Political Science and History.	10
Electives	6
	46
	20

000MR1494

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of work in college, at least twelve semester-hours of which must be taken in Columbian College, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

SEVEN-YEAR COURSE FOR THE DEGREE OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of credit in college, at least twelve semester-hours of which must be taken in Columbian College, including all of the required subjects in some one of the curriculum groups, preferably Group V, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirement for entrance into the Consular and Diplomatic Service, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher positions in the service to which he may be appointed.

Regular students who are preparing for the Government Service should register for Group IV or Group VI, of the curriculum requirements for the degree of Bachelor of Arts, and should elect, also, the subjects named in Section 2 of the "Regulations Governing Examinations Promulgated by the Board of Examiners, December 13, 1906."

Special students who are preparing for the Consular Service examinations should register for such courses as relate to subjects named in Section 2, of the Government Regulations.

REGULATIONS GOVERNING EXAMINATIONS PROMULGATED BY THE BOARD OF EXAMINERS, DECEMBER 13, 1906*

Section 2 reads as follows: The examinations will consist of an oral and a written one, the two counting equally. The object of the oral examination will be to determine the candidate's business ability, alertness, general contemporary information, and natural fitness for the service, including moral, mental, and physical qualifications, character, address, and general education and good command of English. In this part of the examination the applications previously filed will be given due weight by the Board of Examiners, especially as evidence of the applicant's business experience and ability. The written examination will include those subjects mentioned in the Executive order, to-wit, at least one modern language other than English—French, German, or Spanish; the natural, industrial, and commercial resources and the commerce of the United States, especially with reference to possibilities of increasing and extending the foreign trade of the United States; political economy, and the elements of international, commercial, and maritime law. It will likewise include American history, government, and institutions; political and commercial geography; arithmetic (as used in commercial statistics, tariff calculations, exchange, accounts, etc.); the modern history, since 1850, of Europe, Latin America, and the Far East, with particular attention to political, commercial, and economic tendencies. In the written examination, composition, grammar, punctuation, spelling, and writing will be given attention.

Students who seek a designation for consular and diplomatic examination should apply to the Department of State for full information. Consular service examinations are held in Washington only.

SUGGESTIONS FOR FRESHMEN COURSES IN THE CORRICULUM GROUPS

GROUP I, LATIN

Latin 1 or "B," English, History, Mathematics, French or German.

GROUP II, MODERN LANGUAGES

French, German, English, History, Chemistry 1 (or Chemistry 1 and 2). French or German, Spanish, English, History, Mathematics. French or German, Spanish, English, Political Science, Zoology.

GROUP III, NATURAL SCIENCE

Chemistry 1 and 2, Mathematics, English, French, German or Spanish, Economics.

GROUP IV, POLITICAL SCIENCE

Political Science, History, English, French or German, Mathematics. Economics, Political Science, English, Mathematics, Spanish. Economics, English, History, Mathematics, Spanish.

^{*} As amended by Board of Examiners, February 18, 1911.

GROUP V, PRE-MEDICAL

Chemistry 1 and 2, Zoology 1, English, French or German, Mathematics.

GROUP VI, COMMERCE

Economics, Commerce, English, French or Spanish, Political Science or History, Mathematics.

GENERAL SUGGESTIONS

English Rhetoric (1 or 2) is required in every curriculum group. Mathematics is required in every group except the second, History should begin with Mediaeval history, Modern Languages should be taken in a sequence of at least two years in the same language. Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

The specified subjects in the selected group should be taken in the earlier part of the college course leaving the electives for the later years. Subjects should be chosen with view to an even distribution through the days of the week. Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at five-ten o'clock or at six o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for four o'clock.

Fifteen hours a week is a standard amount of work for completing the college course in four years. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

Detailed information about fees is given on pages 45-46

FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the Freshman and Sophomore years in college, including the pre-medical requirements, is as follows:

Freshman Year

	Semester Hours
Chemistry 1 and 2	10
English 1 or 2	6
French or German	6
Mathematics	6
Zoology 1	6
Electives	2
	36

Sophomore Year

	Semester Hours
Chemistry 8	6
French, German or Spanish	6
Philosophy (including Psychology)	6
Physics 3 and 4	10
Zoology 2	6
Electives	
	-
	36

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

First Year

	Semester Hours
Chemistry 1 and 2	10
✓ English 1 or 2	6
¿Zoology 1	
Electives	8
Total semester hours	-

AL THE REAL PROPERTY.

Second Year

	Semester Hours
Physics 3 and 4	. 10
JZoology 2	. 6 -
Chemistry 8	. 6—
Electives	
Total semester hours	-

Note.—The Council on Medical Educational of the American Association states:—"Of the 60 semester hours required as the measurement of 2 years work, at least 18, including the 6 semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

COLLEGE OF ENGINEERING

ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering and Chemical Engineering Courses are required to present fifteen units for admission, distributed as follows:

	Un
English	 3
French, German or Spanish	 2
Plane and Solid Geometry	 1
Elementary and Advanced Algebra	 2
Plane Trigonometry	
Chemistry	
Physics	 1
Electives	 4
Total	 15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

		Unit
 	 	3
 	 	1
 	 	11/2
 	 	. 1

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

and the second s	Units
English	3
French, German or Spanish	2
Plane and Solid Geometry	136
Elementary and Advanced Algebra	2
Plane Trigonometry	3/6
Electives	6
Total	15

For detailed descriptions of the requirements in each preparatory subjects see pages 32-39.

For admission to advanced standing as a special student, see page 39.

COURSES FOR A DEGREE

Six courses of study are offered:

I. CIVIL ENGINEERING.

II. ELECTRICAL ENGINEERING.

III. MECHANICAL ENGINEERING.

IV. CHEMICAL ENGINEERING.

V. CHEMISTRY.

VI. ARCHITECTURE.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry and in Architecture, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate engineering degrees, and lead, respectively, to the degrees of Civil Engineer, Electrical Engineer, and Mechanical Engineer.

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from five-ten o'clock to six-fifty; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

REQUIREMENTS FOR A DEGREE

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 72, to which reference should be made for more complete description.

CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

	200000	er-Hour edits
Chemistry, 1, 7		10
English, 1 or 2		6
Rhetoric. French, German or Spanish		6

	Semester-Hour
Mechanical Drawing, 1, 8	Credits
Mechanical Drawing; Descriptive Geometry.	6
Mathematics, 9 or 12	8
Trigonometry; Analytic Geometry.	
SOPHOMORE YEAR	
Astronomy, 2	0
Fractical Astronomy.	
Civil Engineering, 1, 3, 4.	1.4
Surveying; Highway Engineering; Materials of Co	onstruc-
tion.	
Commerce, 33	4
Commercial Law.	
Mathematics, 20 or 21	6
Calculus.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	
JUNIOR YEAR	
Applied Mathematics, 20, 21, 22	10
Mechanics; Hydraulics, Mechanics or Materials.	12
Civil Engineering, 2, 22	10
Railroad Engineering; Theory of Structures	
Electrical Engineering, 6	4
M Industrial Electricity.	
Geology, 21	4
Engineering Geology.	
SENIOR YEAR	
Civil Engineering, 21, 23, 24, 27	30
Hydraulic Engineering: Theory of Structures: S	anitary
tary Engineering; Reinforced Concrete	
Elective	4
ELECTRICAL ENGINEERING COVERS	
OF BACHELOR OF SCIENCE IN ELECTRICAL ENG	THE DEGREE
FRESHMAN YEAR	
Identical with the Civil Engineering Course	
SOPHOMORE YEAR	
SOF HOMORE TEAR	0
	Semester-Hour Credits
Civil Engineering, 4	Creaus
Materials of Construction.	9

ALL MANUEL S

Seme	ster Hour
C	redits
Commerce, 33	. 4
Mathematics, 20 or 21	. 6
Mechanical Drawing, 2	. 4
Mechanical Engineering, 1 Mechanism.	. 8
Physics, 1, 2	10
JUNIOR YEAR	
Applied Mathematics, 20, 21, 22	12
Chemistry, 6 Metallurgy.	2
Electrical Engineering, 1, 2, 3, 4, 5 Mathematical Theory of Electricity; Direct Current Theory and Machinery; Design; Electrical Engineering Laboratory.	
Mechanical Engineering, 9, 20 Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories.	8
SENIOR YEAR	
Civil Engineering, 5, 6	2
Electrical Engineering, 21, 22, 23, 24, 27, 28, 29	22
Mechanical Engineering, 10, 23 Engineering Laboratory; Hydraulic Machinery.	4
Electives	6

MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING FRESHMAN YEAR

Identical with the Civil Engineering Course

SOPHOMORE YEAR

	Semester-Hour
Civil Engineering, 4	Credits
Materials of Construction.	
Commerce, 33	4
Commercial Law.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Drawing, 2	4
Machine Drawing.	
Mechanical Engineering, 1	8
Mechanism.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	
JUNIOR YEAR	
Applied Mathematics, 20, 21, 22	10
Mechanics; Hydraulics; Mechanics of Materials.	12
Civil Engineering, 22.	
Theory of Structures.	D
Mechanical Engineering, 9, 20, 24, 26, 27	10
Engineering Laboratory; Thermodynamics, Steam	n D-:1
ers and Power Plant Accessories; Advanced M	II DOIL-
ism, Dynamics of Machinery: Power Plant P.	robloms
Electrical Engineering, 2.	roblems.
Dynamos and Motors.	0
SENIOR YEAR	
Chemistry, 6	2
MUSHITOV	
Civil Engineering, 5, 6.	2
Zaccarcai Engineering, 4, 5	4
Zicon Can Laboratory,	
Mechanical Engineering, 10, 11, 23, 25, 28, 29, 30, 31	21
Engineering Laboratory; Hydraulic Machinery: M	achino
Design; Industrial Management: Heating and	Venti-
laung; Gas Engines: Steam Turbings	
Electives	3

CHEMICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

	Semester-Hour
Architecture, 2	Credits
Free hand Drawing.	2
Chemistry, 1, 2	10
General Chemistry; Laboratory Practice.	10
English, 1 or 2	6
Rhetoric.	0
French, German or Spanish	6
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	
Mechanical Drawing 1	4
Mechanical Drawing.	
SOPHOMORE YEAR	
Chemistry, 3, 20.	10
Chemical Laboratory; Qualitative Anaylsis.	
Geology, 1	4
Mathematics, 20 or 21	6
Mechanical Engineering, 1	0
Manhamiana	8
Physics, 1 and 2	10
General Physics, Laboratory Physics.	10
JUNIOR YEAR	
Applied Mathematics, 20, 22	0
Mechanics; Mechanics of Materials.	8
Chemistry, 6, 21, 23	11
Metallurgy; Quantitative Analysis; Organic Chemi	14
Commerce, 33	stry.
Commercial Law.	4
Electrical Engineering, 1	4
Elementary Mathematical Theory of Electricity.	
Mechanical Engineering, 20	6
Thermodynamics, Steam Boilers and Power Plant Ac	ces-
sories.	
SENIOR YEAR	
Chemistry, 24, 25, 26, 29	
Organic Chemistry; Organic Laboratory; Physical Ch	em-
istry; Industrial Chemistry.	
Mechanical Engineering, 9, 10	4
Mechanical Laboratory.	
Electives	6

CHEMICAL COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMISTRY

PRESIDENT LEAR	77
	er-Hour
0.	edits
Architecture, 2	4
Freehand Drawing.	
Chemistry, 1, 2	10
General Chemistry; Laboratory Practice.	
English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6
Mathematics, 3 or 6	6
College Algebra; Solid Geometry; Elementary Trigonom-	
etry.	
Mechanical Drawing, 4	2
Mechanical Drawing.	
SOPHOMORE YEAR	
Chemistry, 3, 20	10
Chemical Laboratory; Qualitative Analysis.	
French, German or Spanish	6
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	
Physics, 3, 4	10
General Physics; Physics Laboratory.	
Electives	4
JUNIOR YEAR	
Chemistry, 21 (4), 23	10
	12
Quantitative Anaylsis; Organic Chemistry.	
Commerce, 33	4
Commercial Law.	
French, German or Spanish	(i
Geology, 1	4
Mineralogy.	
Mathematics, 20 or 21	6
Calculus.	
Electives	4
SENIOR YEAR	
Chemistry, 6, 24, 25, 26, 27	
Metallurgy; Organic Chemistry; Organic Laboratory;	
Physical Chemistry; Stereo-Chemistry.	
Geology, 2	4
General Geology.	
Electives	8

COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE OF ARCHITECTURE

The state of the s	
Semester	
Architecture, 2, 3, 4	
Free-hand Drawing; Architectural Drawing and Elemen-	4
tary Design; Projections, Shades, Shadows and	
Perspective.	
	6
Rhetoric.	
	6
	6
Trigonometry; Analytic Geometry.	
SOPHOMORE YEAR	
Architecture, 5, 6, 8	
Architectural Design; Free-hand Drawing; History of	5
Architecture.	
English, 5 or 6	8
English Literature.	
French 6	3
Geology, 24	1
IUNIOD VEAD	
JUNIOR YEAR	
Architecture, 20, 21, 22, 24, 25, 33, 41)
tion; Pen and Ink Rendering; Design; Water Color,	
Heating and Ventilating.	
Physics, 1 or 3 3	1
General Physics.	
CEWIOD WILD	
SENIOR YEAR	
Architecture, 27 or 37, 28, 39, 40, 43, 44	
Construction; Water Color; Office Practice; Advance	
Construction.	
Commerce, 33 4	
Commercial Law.	
Electrical Engineering, 29	
Electric Illumination.	
AMUCUATUS : 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

FEES

The annual tuition fee for a student taking courses aggregating fifteen or more hours a week throughout the year is one hundred and eighty dollars. Part time students pay in accordance with the amount of work taken, the fee being six dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on pages 45 and 46.

TEACHERS COLLEGE

The purpose of Teachers College is to provide (a) collegiate training for teachers, (b) instruction in education as a department of science.

The aims of the Teachers College may be summarized as follows:

- a. To promote the knowledge of educational science.
- b. To fit students for the higher positions in the public school service.
- c. To secure to teaching the rights and prerogatives of a profession.
- d. To aid in raising the standards of educational practice, and so to increase the efficiency of public education.

ORGANIZATION

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full time and part time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

Candidates for admission to the Freshman Class in Teachers College must meet the general admission requirements (p. 32) of fifteen units. Three of these must be in English, two and one-half in Mathematics, and two in one of the following languages; Latin, Greek, French, German, or Spanish. The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

Persons desirous of taking work without becoming candidates for a degree, may be admitted as *special students* on the presentation of satisfactory evidence that they are qualified to pursue the work to advantage.

ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester-hours of advanced standing.

For further information concerning admission as special student or to advanced standing, see p. 39.

GRADUATION

On the completion of courses of study aggregating a minimum of one hundred and twenty-four semester-hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. These courses are partly prescribed and partly elective, and the degree is conferred when the necessary work has been completed, no time limit being set.

a

The prescriptions are as follows:

In general culture subjects:	Semester Hours
Biology*	6
English	6
Foreign Language*	12
History*	
Psychology and Logic	6
Philosophy	6

For the subjects marked with an asterisk (*) electives may be substituted to the extent that approved secondary school work has been done in them. The foreign language requirement must fall in one language, while in history it is required that a survey of the world's history be obtained.

b. In professional subjects the following twenty semester-hours are prescribed, although teachers of experience may receive credit for Obser-

vation and Practice Teaching.

	Semester
	Hours
History of Education	4
Principles of Education	
Principles of Teaching	
School Hygiene	2
Observation and Practice Teaching	
Electives in Education	6

Graduates of approved normal schools may satisfy the requirement in the professional subjects by the completion of twelve semester-hours exclusive of the credits for Observation and Practice Teaching. These hours are elective with the advice and consent of the Dean.

c. All regular students must complete before graduation at least eighteen semester-hours in a major, and at least ten semester-hours in a minor subject, in addition to the first required course, if any, in the same subject.

THE TEACHER'S DIPLOMA

The Bachelor's Diploma in Education is granted in connection with the Bachelor of Arts degree (or, to students without experience in teaching, in connection with higher degrees) upon the fulfillment of the following conditions: (1) The student must have satisfactorily completed the courses of study defined above. (2) He must, in the judgment of his instructors, also possess other qualifications essential to success in teaching.

A diploma corresponding to the degree is given also in connection with higher degrees, provided a graduate student has taken a major or minor in education, has satisfied the requirements a, b and c above, and has had at

least two years of successful experience in teaching.

A student holding a degree from an approved college or university may, by satisfying requirements a, b and c above, earn a diploma without registering for a degree.

OBSERVATION AND PRACTICE TEACHING

Through the courtesy of the officials of the public schools, opportunities for observation and teaching are given in the high and elementary schools of Washington.

EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

TEACHERS APPOINTMENT BUREAU

Teachers College maintains a Teachers Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.

SCHEDULE OF CLASSES

IN

COLUMBIAN COLLEGE AND TEACHERS COLLEGE

Monday, Wednesday, Friday

Monday, Wednesday, Friday				
	Course		Instructor	
9.15		Principles of Teaching	Ruediger	
7.00	English 24	.Drama	. Bolwell	
	French 1	First year French	Protzman	
	Mathematics 3A	. Alg., Geom., Trig	Erwin	
	Spanish 1A	First Year Spanish	Patison	
10.15	English 22	Shakespeare's Comedies	Wilbur	
19.10	French 3A	Second Year French	Henning	
		Literature		
		Trig., Analytic Geom		
	Philosophy 1 3	Psychology; Logic	Ruodigov	
	Pol Science 1 3	. U. S. Govt., State Govts	Hill	
	Spanish 3	Second Year Spanish	Potison	
11.15	Feenomics 1	General Economics	. I attison	
11:10		Second Year German		
	Crook 2	.Xenophon, etc	Sentement	
	Dhysica 1	General Physics	Drawn	
	Pol Sei 21 22	European Courses	. Brown	
1 45	Fol. Sci. 21, 22	. European Governments The Novel	D-1	
1.45	English 50	Third V C	. Bolwell	
	German /	Third Year German	Schoenfeld	
	Laun I	Livy, etc	Smith	
	Philosophy 23	Laboratory Psychology	. Metcalf	
	Physics 3	.Introductory Physics	. Brown	
	Spanish 1B	First Year Spanish	. Protzman	
2.45	Greek I	. Herodotus, etc	.Smith	
4 00	History 1, 2	Medieval History	. Swisher	
4,00	English 30	. Types of Literature	. Croissant	
	French 5	. 19th-17th Century	. Henning	
	History 3, 4	.European History	. Swisher	
	Latin 2	.Cicero, etc	.Smith	
	Spanish 22	.Literature	. Doyle	
5.10	Commerce 40, 42	. Ind. Hist.of U.S.; World Pol.	Kochenderfer	
	English 2	. Rhetoric	. Wilbur	
	English 31	. Journalism	. Chace	
	English 56	. English Comedy	. Croissant	
	French 2A	.First Year French	Protzman	
	French 7	. Conversational	Teillard	
	French 28	.Literature from 1850	Henning	
	French 50	Old French	Dovle	
	German 21	.Literature	Schoenfeld	
	History 25	. English History	Churchill	
	Mathematics 4	. Algebra: trig	Hodekine H C	
	Mathematics 12	. Trig.: Anal. Geom	Remin	
	Philosophy 2, 4	. Psychology; Logic.	Ruediger	
	Physics I	General Physics	Brown	
	Pol. Sci. 29, 30	International Law; Diplom	DIOWIL	
	Portuguese 4.	Second Year Course	Cautinha	
	Spanish 2A	First Year Spanish	Patisan	
	Zoology 1	.Invertebrates	Parts h	
		. ruver tenrates	. Bartsch	

6.00	Course Commerce 36. Commercial Geography Economics 2. General Economics English 25. Drama English 52. Shakespeare French 2B. First Year French German 4. Second Year German History 30. Amer. Constitutional Hist Mathematics 6. Alg., Geom., Trig. Mathematics 12B. Trig., Analytic Geometry Physics 3. Introductory Physics Portuguese 1. First Year Course Spanish 2B. First Year Spanish Spanish 4A. Second Year Spanish Spanish 7. Spanish Conversation Zoology 2. Vertebrates	Kern Croissant Wilbur. Protzman Schmidt McArthur Hodgkins, H. Erwin Cheney Coutinho Patison Doyle	
	Physics 3. Introductory Physics Portuguese 1 First Year Course Spanish 2B First Year Spanish Spanish 4A Second Year Spanish	Cheney Coutinho Patison Doyle	

Tuesday, Thursday, Saturday

9.13	English 5	.English Literature	Rolmoll
	French 1	. First Year French	Protespon
	French 3B	Second Year French	Dovlo
	History 21	Ancient History	Kaygor
	Mathematics 3B	Alg., Geom., Trig.	Erwin
	Mathematics 21	Calculus	Hodekine H I
10.15	English I	Rhetoric	William
	English 2h	Poetry	Canisana
	Mathematics 24, 25	Theory of Equations, etc.	Erwin
	Philosophy 20, 21.	Hist. of Phil., Ethics	Richardson
11.15	English 29	.American Literature	Croissant
	German 1	First Year German	Schoonfold
	History 20	American History	Aldon
	Latin B.	. Cicero and Vergil	Smith
12.00	Chemistry 1	General Chemistry	MoNoil
5.10	Architecture 28	Painting and Sculpture	Rikk
	Chemistry 1	General Chemistry	MeNeil
	Commerce 20, 47	Princ. of Business; Transp	Woohen Jesten
	English 6	English Literature	. Nochenderier
	Ethnology 50	General Introduction	, Dolwell
	French 2C	First Year French	Dratament
	French 2D	First Year French	Frotzman
	French 4A	Second Year French	Kramer Uannin-
	German 2	First Year German	. Henning
	German 8	Third Year German	Schmidt
	History 35	General History	Schoenfeld
	Mathematics 20	Calculus	Swisher Hadalaina II I
	Mathematics 54 55	Functions	Hougkins, H. L.
	Philosophy 6 &	Psychology; Logic	Matall
	Physics 23	Electricity	Nietcaii
	Pol. Sci. 27 28	International Relations	Drown
	Spanish 2C	First Year Spanish	Dations
	Spanish 4B	Second Year Spanish	Daylo
6.00	Architecture 20	History of Architecture	Doyle
20,000	French 2E	First Year French	Cullem
	French 4B	Second Year French	Cunom
	French 6	Literature	Honning
	Cerman 6	Second Year German	Sahmidt
	Cicinan O	cond Tear German	Semiliar

	Course		To almost		
6.00		Iodern European History.	Instructor		
0.00	Mathematics 12C. T	rig., Analytic Geometry	Erwin		
	Pol. Science 2, 4, U	. S. Govt. State Govts	Hill		
	Spanish 2DF	irst Year Spanish	Patison		
	Spanish 6T	hird Year Spanish	Dovle		
		sday and Thursday			
10.15	Greek B	Iomer	Smith		
	Philosophy 20 21 P	rohlame. Ethica	Dichardson		
	Latin 20T	acitus, etc	.Smith		
	Physics 2,4L	aboratory Physics	. Brown		
11.15	Astronomy 1P	opular Astronomy	Erwin		
1 15	Physics 9	Dectricity	. Brown		
1.15 to	Chemistry 2	aboratory Practice	Swett		
	Chemistry 7	Organic Chemistry	Swett		
1.45	Greek 21	Demosthenes, etc	Swett		
2.45	Physics 2. 4 L	aboratory Physics	Dronm.		
4.00	Architecture 8	listory of Architecture	Ribb		
	Classical Literature I	atin Literature	Smith		
	Education 21 F	rinciples of Education	Ruediger		
	English 39	Composition	Bolwell		
5.10	Economics 22, 23 S	lociology	Kown		
	Education 30	tory Telling	Albion		
	Education 50	eminar	Ruediger		
0.00	I miosophy 24	listory of Philosophy	Richardson		
6.00	Commerce 33	ommercial Law	Aldon		
	Economics 27, 28E	Banking; Finance	. Kern		
7 00	FIIIOSODDV 3USi	eminar in Psychology	Motoolf		
to.	Chemistry 2	aboratory Practice	Swott		
10.00	Chamistry 3	Organic Chemistry	.Swett		
7.30	Chemistry	Qualitative Analysis	. Swett		
to	Physics 2	aboratory Physics	n		
9.30]	aboratory rhysics	. Brown		
	Thu	rsday and Saturday			
5.10		iterature	Cautinha		
6.10	Chemistry 24	Organic Chemistry	. Coutinno		
			.Swett		
Monday and Wednesday					
5.10	Philadel 20 22	North America	. Michelson		
6.10	I IIIIOSODRY 3U 32	Problems & Chicago	Dill		
7.00	Carolina y EU	HVXICAL Chemistry	Mana		
1,00	Chemistry 8	Organic Chemistry	. McNeil		
	M	Ionday and Friday			
9.15		Trusts; Labor Problems	77		
11.15	Mathematics 50	Differential Equations	. Kern		
4,00					
5.10	CICOTORAT	Vinoralogue	T) 1		
	Geology 20	Economic Geology	. Dassier		
6.00	Geology 2	deology	Rossler		
7.30					
to	Physics 4.	Laboratory Physics	Chenev		
9.30	,				

	Course	Wednesday and Friday				
4,00 4.50	Archaeology 20.	History of Art	InstructorCarroll . Swett			
		Monday				
5.10	Education 24	School Sanitation	Small			
Tuesday						
5.10 6.10	Pol. Sci. 26 Chemistry 6	Brazil	. Coutinho . McNeil			
Wednesday						
5,10 6.00	Philosophy 27	School Administration	Richardson			
Thursday						
2.45	Latin 22	Latin Composition	Smith			
Saturday						
9.15 to 11.15	Education 22 Philosophy 25	History of Education Laboratory Psychology	. Ruediger . Metcalf			
11.15	History 33	Current History	Swisher			

COURSES OF INSTRUCTION PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First-section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the bachelor's degree; they serve, however, with additional work, as minors for the higher degrees, provided they have not already counted toward a degree. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergarduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First-section courses are numbered 1 to 19, inclusive; second-section courses 20 to 49, inclusive; third-section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science, or for the graduate degrees of Master of Arts and Master of Science, or for the graduate degrees in engineering.

APPLIED MATHEMATICS

Second Section. For Undergraduates and Graduates.

20. Analytical and Applied Mechanics. (1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits.

21. Hydraulics.— The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Professor LAPHAM.

N. Calebra

22. Mechanics of Materials and Theory of Elasticity.—Including elastic and ultimate strength and deformation: simple cantilever and continuous beams, columns, torsion; combined stresses; compound columns and beams, including reinforced concrete; resilience; work; fatigue; mathematical theory of elasticity. Four hours, second-half year. Four semester-hour credits.

ARCHAEOLOGY AND HISTORY OF ART

Second Section. For Graduates and Undergraduates.

20. History of Art.—An introductory course in the history of architecture, sculpture and painting, illustrated by photographs, lantern slides and casts. 1919–20, Prehistoric, Classical and Medieval Art; 1920–21, Renaissance and Modern Art. Wed., Fri., at 4. Four semester-hour credits. Professor Carroll.

Third Section. Primarily for Graduates

50. Pro-Seminary of Art and Archaeology. (a) Prehistoric Art and Archaeology. Six semester-hour credits. Professor Carroll. (b) History and Appreciation of Painting. Illustrated lectures on the schools of painting from the Renaissance down to the American school. Supplemented by courses of reading and visits to galleries in Washington and neighboring cities. Six semester-hour credits. Dr. Brigham.

51. American Archaeology.—In conjunction with the School of American Archaeology in Santa Fé. Six semester-hour credits. Professor Carroll and Dr. Hewett.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

ARCHITECTURE

2. Freehand Drawing.—This course consists of drawing in charcoal from casts of simple form. Two periods. Four semester-hour credits. Professor Bibb.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

3. Architectural Drawing and Elementary Design.—This course includes the study of the elements of Architecture including the Five Orders, the use of india ink and water color rendering. At least nine hours per week are to be spent by the student in the drafting room. Six semester-hour credits.

Criticisms by Professor Harris on Tuesday and Thursday, 1.45 to 4.45 and by Assistant Professor Brown on Tuesday, Wednesday and Friday evenings.

4. Projections, Shades, Shadows and Perspective.—A course in orthographic projections, shades and shadows, followed by a short course in the elements of perspective. Two periods. Four semester-hour credits.

Criticisms by Professor Harris on Tuesday 1.45 to 4.45 and by Assistant Professor Brown on Wednesday evenings.

5. Design.—Problems of an elementary character are given to prepare the student for work in the Class B order of the Society of Beaux-Arts Architects; the rendering of these problems of this Society. At least twelve hours per week are to be spent by the student in the drafting room. Criticisms by Assistant Professor Brown on Tuesday, Thursday and Friday evenings. Eight semester-hour credits.

6. Free hand Drawing.—An advanced course in drawing from cast and life. Two periods. Four semester-hour credits. Professor Bibb.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

8. History of Architecture.—The course is designed to trace the development of the art in Ancient Egypt, in Greece, and in Rome, and through the Byzantine, and Mediaeval periods. Tu., Th., at 4.00. Four semester-hour credits. Professor Bibb.

Second Section. For Undergraduates and Graduates.

20. History of Architecture.—A study of the Architecture of the Renaissance in its relation to Ancient and to Modern Architecture. Tu., Th., Sat., at 6.00. Six semester-hour credits. Professor Bibb.

21. Building Construction.—Frame buildings, details of construction, interior finish, three-fourths scale and full-size details. Wed., Fri., at 6.00 and two periods in drawing room; first half-year. Four semester-hour credits. Professor Harris.

22. Sanitation.—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal, septic tank, sewage disposal fields, etc. Wed., Fri., at 5.10; first half-year. Two semester-hour credits. Professor Harris.

24. Pen-and-Ink Rendering.—A study of the renderings of the best penand-ink draftsmen, with practice in the use of the pen as a means of Architectural expression. One period. Two semester-hour credits.

Hours of criticism selected by conference with Assistant Professor Brown. 25. Design.—Plan problems, sketch problems, and archaeology problems from the Class B plan programs of the Society of Beaux-Arts Architects. At least fifteen hours a week are to be spent by the student in the drafting room. Ten semester-hour credits. Criticism by Assistant Professor Brown on Tuesday and Friday evenings.

27. Advanced Design.—Plan problems and sketch problems are given from the Class A programs of the Society of Beaux-Arts Architects. The latter part of the year is devoted to a thesis, the subject being selected by the student subject to the approval of the Professor of Design. At least eighteen hours a week are to be spent by the student in the drafting room. Twelve semester-hour credits. Criticism by Assistant Professor Brown on Tuesday and Friday evenings.

28. History of Sculpture and Painting.—An advanced course offering a comparative study of the development of art as the expression of civiliza-

tion; an outline of the lives of great artists and a critical analysis of their achievement. Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor Bibb.

33. Water Color.—A course of drawing in water color from still life and from buildings and gardens. Two periods. Four semester-hour credits Professor Birb.

39. Building Construction.—Masonry foundations, pile foundations stone work, brick work, fire-proofing, ornamental terra cotta, plastering, specifications. Wed., Fri., at 6.00 and two periods in the drawing room, second half-year. Four semester-hour credits. Professor Harris.

40. Water Color.—An advanced course in water color drawing including studies from life. Two periods. Four semester-hour credits. Professor Bibb.

41. Heating and Ventilating.—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. Wed., Fri., at 5.10; second half-year. Two semester-hour credits. Professor Harris.

43. Office Practice.—A course of lectures on office practice, business methods of an architect and special types of buildings by the teaching staff and practicing architects of the District of Columbia. Two semester-hour credits.

44. Advanced Construction.—A course arranged especially for architectural students, embracing problems in the determination of beam sizes, girder and column design, grillage beam footings and the design of the simpler forms of trusses. Four semester-hour credits. Professor Harris.

ASTRONOMY

First Section. Primarily for Undergraduates.

1. Popular Astronomy.—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. Tu., Th., at 11.15. Four semester-hour credits. Professor Erwin.

2. A Course in Practical Astronomy for Civil Engineering Students — Special attention is given to the methods of determining latitude, longitude, azimuth and time with the engineer's transit. Two hours during one term. Two semester-hour credits. Professor Laphan.

Third Section. Primarily for Graduates.

58. Celestial Mechanics.—Theory of central forces; theory of parabolic and elliptic orbits. Lectures, with reading from the works of Gauss, Oppolzer, and Moulton. Six semester-hour credits. Professor Hall.

ASTRO-PHYSICS

Third Section. Primarily for Graduates.

54. A lecture course on the astro-physical instruments employed in modern research. Six semester-hour credits. Mr. Fowle.

55. Some applications of Astrophysics, Geophysics, Chemical Physics and Colloidal Physics to Meteorology. Six semester-hour credits. Mr. Fowle.

CHEMISTRY

First Section. Primarily for Undergraduates.

1. General Chemistry.—A series of illustrated lectures, accompanied by exercises and tests on theoretical, inorganic, organic and technical chemistry. Section A. Tu., Th., Sat., at 12.00. Section B. Tu., Th., Sat., at 5.00. Six semester-hour credits. Professor McNeil.

2. Laboratory Practice.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. Tu., Th., at 1.15 or at 7. Four semester-hour credits. Professor McNeil and Professor Swett.

3. Preparation and Study of the Properties of Chemical Substances.—A laboratory course. Two three-hour periods. Tu., Th., at 1.15 or at 7. Four semester-hour credits. Professor McNeil, Professor Swett, Mr. Valaer.

4. Assaying and Metallurgy of the Precious Metals.—Carried on by the method used by the Government Assayers, the Laboratory being fitted up on the plan of that of the United States Mint. Twelve hours for three months. Professor McNeil, Professor Swett.

5. Principles of Analysis.—Lecture. One hour. Two semester-hour credits. Professor McNeil.

Metallurgy of Iron and Steel.—A course of lectures and readings.
 Tu., at 6.10. Two semester-hour credits. Professor McNeil.

7. Qualitative Analysis.—A brief course intended primarily for students in engineering. Two three-hour periods. Tu., Th., at 1.15 or at 7. Four semester-hour credits. Professor McNeil, Professor Swett, Mr. Valler.

8. Elementary Organic Chemistry.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week. Mon., Wed., at 7. Six semester-hour credits. Professor McNeil.

Second Section. For Undergraduates and Graduates.

20. Qualitative Analysis.—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six Semester-hour credits. Professor McNeil, Professor Swett, Mr. Valaer.

21. Quantitative Analysis.—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Four three-hour periods. Eight semester-hour credits. Professor McNeil, Professor Swett, Mr. Phillips.

23. Organic Chemistry.—Advanced course. Wed., Fri., at 4.50. Four semester-hour credits. Professor Swett.

24. Organic Chemistry.—Advanced course. A continuation of Course 23. Th., Sat., at 6.10. Four semester-hour credits. Professor Swett.

25. Chemistry of the Carbon Compounds.—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor McNeil, Professor Swett, Mr. Lepper.

26. Physical Chemistry.—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from the physical standpoint. Special attention is given to the ionic theory, electro-chemistry, colloids, the law of mass action, and the phase rule. Mon., and Wed., at 6.10. Four semester-hour credits. Professor McNeil.

27. Stereo-Chemistry.—This course deals with the arrangement of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. Four semester-hour credits. Assistant Professor Hull.

28. Biochemistry.—A laboratory course in the chemical examination of some of the chief foodstuffs, the tissues and fluids of the body, and the products of certain organisms; also the isolation of the digestive enzymes and a study of their action in vitro. Three three-hour periods. Six semester-hour credits. Assistant Professor Leffler.

29. Industrial Chemistry. This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. Six semester-hour credits. Not given in 1920-21.

30. Physical Chemistry.—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken, or are taking that course. Two three-hour periods. Four semester-hour credits. Assistant Professor Hill.

Third Section. Primarily for Graduates.

50. Explosive Substances.—Ten semester-hour credits. Professor Cushman.

 Analytical Methods.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNeil.

Development of the Theory of the Constitution of the Natural Silicates.—
 Six semester-hour credits. Professor Clarke.

55. Special Researches in Electro-Chemistry.—Six semester-hour credits.
Assistant Professor Hopkins.

Research in Physical Chemistry.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNeu.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington which are held on the second and fourth Thursdays of each month, from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings of the Chemical Society of the George Washington University which is a most active and efficient student organization.

CIVIL ENGINEERING

First Section. Primarily for Undergraduates.

1. Surveying and Mapping.—This course includes recitations, field and drawing room work. The recitations will cover the theory, adjustment and use of instruments; land, topographic, hydrographic and geodetic surveying; latitude, longitude, time and azimuth. The field work includes the adjustment of and the use of the level, and transit. The computations cover the closing of traverses, computation of areas, contour problems and the reduction and plotting of field notes. Two recitations a week; field and drawing room work equivalent to one three-hour period a week throughout the year. Six semester-hour credits. Professor Lapham and Mr. Marsh.

2. Railroad Engineering.—This course includes recitations, field and drawing-room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists of a preliminary and location survey; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Professor Lapham.

3. Highways and Pavements.—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Mr. Marsh.

4. Materials of Construction.—A course in the study of the chemical and physical properties of: stone, brick, lime, wood, iron, steel and a few of the minor alloys. Stress is laid on the manufacture and the properties of the materials that affect their use in engineering construction. The class-room work is supplemented by laboratory tests and by inspection trips to testing laboratories and manufacturing plants. Two hours a week. Four semester-hour credits. Professor LAPHAM.

5. Surveying Instruments.—A two-month's course for mechanical and Electrical Engineering students, covering the use of the compass, transit, and level. Lectures and field exercises, two hours. One semester-hour credit. Professor Lapham.

6. Foundations.—A two-month's course for Mechanical and Electrical Engineering students, covering the general principles of foundation construction and the materials used. Two hours. One semester-hour credit.

Second Section. For Undergraduates and Graduates.

21. Hydraulic Engineering.—The design and construction of water-power plants and irrigation works. Flow of rivers; rainfall and runoff; methods of development; hydraulic motors; power transmission. Irrigation plans;

distributing system; water rights and irrigation law. Two lectures and one design period. Six semester-hour credits. Professor Lapham.

22. Structures.—A course covering the determination of stresses in framed structures and their deflection by graphical and by analytical methods. The first term is devoted to beams and roof trusses; the second to bridge trusses under uniform and wheel loads. Three lectures and two design periods. Ten semester-hour credits. Mechanical engineering students take only the first term. Five semester-hour credits.

23. Structures.—The design of structures in timber, steel and masonry; timber trestles, roof trusses and slow-burning construction; steel mill and office buildings; girder, riveted and pin-connected bridges; bridge piers, abutments and similar structures; theory of foundation pile and pile driving, caissons and cofferdams. Three lectures and two design periods. Ten semester-hour credits.

24. Sanitary Engineering.—Water supply; the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; sedimentation and aeration of water; sand filtration; mechanical filtration; chemical treatment of water; the relation of water supply to infectious diseases.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal. Three lectures and one design period. Eight semester-hour credits. Professor LAPHAM.

27. Reinforced Concrete Construction.—The theory and design of reinforced concrete slabs, beams, columns, foundations and walls; estimating reinforced concrete work. Two recitations and one design period. Six semester-hour credits. Professor Lapham.

Third Section. Primarily for Graduates.

50. Reinforced Concrete Structures.—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits.

51. Advanced Steel Structures.—Theory and design of suspension, cantilever, moveable and arch bridges. One lecture and two design periods. Six semester-hour credits.

53. Railroad Engineering.—An advanced course in railroad location construction and maintenance of way. It must be preceded by Civil Engineering course 2. Six semester-hour credits.

54. Water and Sewage Purifications.—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits.

CLASSICAL LANGUAGES AND LITERATURES

Greek

First Section. Primarily for Undergraduates.

A. Elementary Course.—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. Mon., Wed., Fri., at 10.15. Six semester-hour credits. Not given in 1920-21.

B. Homer: Iliad I-IV.—For students who have taken course A and desire to prepare themselves to enter Course 1. Tu., Th., at 9.15. Four semes-

ter-hour credits. Professor Smith.

- 1. Herodotus (selections); Lysias (selected orations); Euripides (Alcestis); Greek prose composition. *Mon.*, *Wed.*, *Fri.*, at 2.45. Six semester-hour credits. Professor Smith.
- 2. Xenophon (Memorabilia); Thueydides (Book VII); Sophocles (Antigone). Mon., Wed., Fri., at 11.15. Six semester-hour credits. Professor Smith.

Second Section. For Undergraduates and Graduates

- 20. Plato (selections, including the Apology and Crito); Aristophanes (Clouds or Frogs). Tu., Th., at 1.45. Four semester-hour credits. Not given in 1920-21.
- 21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). Tu., Th., at 1.45. Four semester-hour credits. Professor SMITH.

Latin

First Section. Primarily for Undergraduates.

B. Cicero's Orations and Vergil's Aeneid.—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the Orations and of three or four books of the Aeneid, supplemented by private reading, and some practice in the writing of Latin. Tu., Th., Sat., at 11.15. Six semester-hour credits. Professor SMITH.

1. Livy (Book I or XXI); Cicero (De Senectute); Horace (Odes and Epodes); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed course B. Mon., Wed., Fri., at 1.45. Six semes-

ter-hour credits. Professor SMITH.

 Cicero and Pliny (selected Letters); Horace (Satires and Epistles): Martial (selections). Mon., Wed., Fri., at 3.45. Six semester-hour credits. Professor Smith.

Second Section. For Undergraduates and Graduates.

20. Tacitus (selections); Terence (Phormio); Plautus (Captivi). Tu., Th., at 10.15. Four semester-hour credits. Professor Sмітн.

21. Quintilian, Book X, and Horace, Ars Poetica; Catullus, Tibullus and Propertius. Tu., Th., at 10.15. Four semester-hour credits. Not given in 1920-21.

22. Advanced Latin Composition and Reading at Sight.—Practice in Latin expression and style. Th., at 2.45. Two semester-hour credits. Professor SMITH.

Third Section. Primarily for Graduates.

The work in this section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified Seniors may be admitted to these courses. The authors selected are as follows:

50. Vergil, and Roman Epic Poetry.—Two hours. Six semester-hour credits. Not given in 1920-21.

51. Caesar, and the Roman Historians.—Two hours. Six semester-hour credits. Professor Smith.

, 52. Cicero, and Roman Oratory.—Two hours. Six semester-hour credits. Not given in 1919-20.

Classical Literature

First Section. Primarily for Undergraduates.

1. General Survey of Classical Greek Literature (in English).—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include selected readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. Tu., Th., at 4. Four semester-hour credits. Professor Smith.

2. General Survey of Latin Literature (in English).—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. Tu., Th., at 4. Four semester-hour credits. Not given in 1920-21.

COMMERCE

Second Section. For Undergraduates and Graduates.

20. Principles of Business.—An introductory course in Business Economics and preparatory to the courses in Corporation, Finance, Transportation, Business Administration, etc. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. Tu., Th., Sat., at 5.10. First half-year. Three semester-hour credits. Assistant Professor Kochenderfer.

33. Commercial and Maritime Law.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with

some study of Admiralty law. Section A, Tu., Th., at 11.15; Section B, Tu., Th., at 6.00. Four semester-hour credits. Assistant Professor ALDEN.

36. Commercial and Industrial Geography.—During the first term, a general survey is made of the products, industries, and commerce of the United States and of the principal foreign countries. This survey is supplemented during the second term by a detailed study of agriculture, mining, and manufactures throughout the world, but with special reference to the Unites States; separate treatment of each important crop and branch of manufactures, with inquiry into the causes of the localization of industry, Mon., Wed., Fri., at 6.00. Six semester-hour credits. Assistant Professor Kochenderfer.

40. Industrial and Commercial History of the United States.—Business aspects of early American colonization; the westward movement and the public lands; the development of internal improvements and railways; tariff history and policy. Growth of industry, agriculture, commerce; labor and capital; industrial and commercial problems of today. Mon., Wed., Fri., at 5.10. First half-year. Three semester-hour credits. Assistant

Professor Kochenderfer.

42. European Industrial Evolution and World Politics.—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion, and commercial policies, the development of industry, and transportation. Mon., Wed., Fri., at 5.10. Second half-year. Three semester-hour credits. Assistant Professor Kochenderfer.

45. History of Commerce.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. Not given in 1920-21. Assistant Professor Kochenderfer.

47. Transportation.—Development and control of transportation in the United States and Europe. Railroad construction, competition, combination, regulation, rates discrimination. Government ownership. Ocean carriage; subsidies; combination; rebates; ports and terminals; marine insurance. The U. S. Shipping Board, Railroad Administration and Emergency Fleet Corporation activities. Tu., Th., Sat., at 5.10. Second half year. Three semester-hour credits. Assistant Professor Kochenderfer.

48. Relation of Government to Property and Industry.—Incorporation and regulation of companies, common law and monopolies, the anti-trust acts and their results. Public Utilities commissions and boards; regulations of security issues, etc. National incorporation and other methods of proposed

ALIKE WHA

regulation examined. Reconstruction problems. The tendency toward federal control of commerce and industry. Police power regulations, etc. Not given in 1920-21.

Third Section. Primarily for Graduates.

52. Corporation Finance and International Trade Seminar.—For qualified advanced students and graduates. Special opportunities will be offered students desiring to acquaint themselves with the best literatute and do intensive work in the preparation of theses. Hours to be arranged. Four semester-hour credits. Assistant Professor Kochenderfer.

Note.— Additional courses in commerce may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

ECONOMICS AND SOCIOLOGY

First Section. Primarily for Undergraduates.

1. General Economics.—An outline course in the principles of political economy devoted mainly to the study of production and exchange under present-day conditions, followed by a study of the problems of rent, interest, wages, and profits, and including an examination of competition, private property, and economic programs. Mon., Wed., Fri., at 11.15. Six semester-hour credits. Professor Kern.

 Parallel with Course 1. Mon., Wed., Fri., at 6.00. Six semester-hour credits. Professor Kern.

Second Section. For Undergraduates and Graduates.

22. General Sociology.—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. First half-year. Tu., Th., at 5.10. Two semester-hour credits. Professor Kern.

23. Modern Social Problems.—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite, the course in general sociology. Two hours, second half-year. Tu., Th., at 5.10. Two semester-hour credits. Professor Kern.

24. The History of Economic Thought.—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Two hours, first half-year. Given in alternate years. Not given in 1920-21. Professor Kern.

26. Public Finance.—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State Governments. The theory of taxation; administration of public domains, and industries; public debts. Second half-year. Tu., Th., at 6.00. Two semester-hour credits. Professor Kern.

27. Money and Banking.—The history and theory of money; the production of the precious metals; the theory of prices and measurement of price fluctuations; monetary systems; the relation of the Treasury system

to our money supply; the theory of credit and banking; the national bank system of the United States and the banking system of foreign nations. First half-year. Tu., Th., at 6.00. Two semester-hour credits. Professor Kenn.

28. Economic Problems.—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Credit for course 1, General Economics, is requisite for admission to this course. Not given in 1920-21. Professor Kern.

43. Combinations, Trusts.—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. Mon., Fri., at 9.15.

Two semester-hour credits. Professor KERN.

44. Labor Problems.—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed by a discussion of such problems as: child labor; dangerous occupations; workingmen's insurance against sickness, old age, accidents, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. Mon., Fri., at 9.15. Two semester-hour credits. Professor Kern.

49. Statistics.—The elements of statistical method, including gathering material, collecting data, defining the problem, tabulation, diagrams, graphs, frequency tables, types including mean, median, mode, measure of dispersion, use of quartiles, average deviation, standard deviation, coefficient of variability, skewness, coefficient of correlation, probable error, price indices, ratio of variation, moving averages, and general application of statistical methods to business, economics, education, administration, sociology, government and biology. Three hours a week. Six semester-hour credits. Dr. Phillips.

Third Section. Primarily for Graduates.

51. Seminar in Sociology.—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor Kern.

Note.—Additional courses in Economics may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

EDUCATION

Second Section. For Undergraduates and Graduates.

20a. Principles of Teaching.—A comprehensive course in the principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First half-year. Mon., Wed., Fri., at 9.15. Three semester-hour credits. Professor Ruediger.

20b. Principles of Education.—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. Mon., Wed., Fri., at 9.15. Three semester-hour credits. Professor Ruediger.

21a. Principles of Teaching.—A brief course in the psychological and logical principles underlying the teaching process. First half-year. Tu., Th., at 4. Two semester-hour credits. Professor Ruediger.

21b. Principles of Education.—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. Tu., Th., at 4. Two semester-hour credits. Professor Ruediger.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. History of Education.—A general course in the historical development of educational theory and practice. Sat., 9.15-11.15. Four semester-hour credits. Professor Ruediger.

24. School Sanitation and Hygiene.—A survey of the relations of education and health, including: The function of the school in promoting health; physical examination of children; medical inspection; physical education; diseases and defects incident to school life; the organization of instruction as related to fatigue; defective children; school-house construction and sanitation. Lectures, reference work, and reports. Mon., at 5.10. Two semester-hour credits. Dr. SMALL.

25 Secondary Education.—After sketching the meaning and significance of secondary education as revealed by educational theory, by the secondary schools of Germany, France, and England, and by the history of secondary education in America, the course will consider in some detail the educational values, essential content, and methods of teaching the various high school branches. The problems of essential minima, of the connection of the studies with life, and of the development of initiative in the student will be emphasized. Not given in 1920-21. Four semester-hour credits. Dr. SMALL.

27. School Administration.—The public school system: Its development; economic and political relations; organization of administration, financial and educational; problems of administration. Lectures, assigned reading, and reports. Wed., at 5.10. Dr. SMALL.

28. Experimental Education.—A laboratory course on processes of learning, transfer of practice, association, memory, etc. Special emphasis is laid upon practical work with the Binet and other mental tests. (Not given in 1920-21. See Philosophy 25.) Three semester-hour credits. Mrs. Symonds.

29. Educational Story Telling.—Study of type stories, adaptation of stories, practical story telling. It is the purpose of the course to develop a basis for the selection and presentation of suitable children's literature,

taking into consideration the various stages of the child's development Lectures, required reading and reports. Not given in 1920-21. Four semester-hour credits. Mrs. Albion.

30. Story Telling and Children's Literature.-Study of Epics-Iliad,

Odyssey, and Kalevalla. Re-telling, possible dramatization.

Part of the course will be given to a discussion of reading and reading books with a view to supplementing with stories and units of literature. It will be the purpose to work toward a solution of the problem of developing in the child a higher appreciation of the best in literature and a real love of books through his school reading. The course will extend and supplement Course 29 but will be open to all upper class students. Tu., Th., at 5.10. Four semester-hour credits. Mrs. Albion.

34. Observation.—Observation of experienced teachers, under guidance, followed by discussion. The course should normally be taken in the junior

year. Two semester-hour credits. Professor Ruediger.

35. Practice Teaching.—Teaching under supervision and criticism. The course should normally be taken in the senior year. Two semester-hour credits. Professor Ruediger.

Third Section. Primarily for Graduates.

50. Seminar in Education.—Topic for 1920-21: Educational Psychology. Special attention will be given to mental and educational tests, and a paper embodying constructive scholarship will be required of each member of the class. Open to qualified undergraduates. Tu., Th., at 5.10. Six semester-hour credits. Professor Ruediger.

ELECTRICAL ENGINEERING

First Section. Primarily for Undergraudates.

- 1. Mathematical Theory of Electricity and Magnetism.—The fundamental units and formula of electricity and magnetism are studied so that the student may have a clear conception of the terms used in Electrical Engineering and Electric Design. This is an elementary subject leading to advanced studies, which require the understanding of certain groundwork principles. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.
- 2. Direct Current Theory; Dynamo Machinery and Alternating Currents.—During the first half of the year the elements of electricity are studied, together with the principles involved in the construction and operation of direct current dynamos and motors. After a foundation of the elements of electricity has been established, direct current machines are examined, resulting in the discussion of the different forms of armatures, of their windings, cores, commutator, the various fields, the methods of arranging the windings for different purposes; the shape and materials of magnetic circuits; and the selection of types suited for performances of specific duties.

During the second half of the year, direct current machines are further studied, illustrating the characteristic curves and efficiencies of the different types. An introduction to the characteristics of alternating currents are taken up, together with the solutions of simple and complex circuits. Numerous problems are assigned throughout the course. Prerequisite: Physics 1. Three hours. Six semester-hour credits.

3. Electric Design.—A course covering the design of simple electrical apparatus. The various materials used in the construction of electrical machinery are considered from the standpoint of magnetic and mechanical properties. Much of the time is devoted to calculations and the application of the principles taught in E. E. 1. Prerequisite: E. E. 1. Two hours,

second half-year. Two semester-hour credits.

4. Electrical Laboratory.—A laboratory course for Juniors, involving experiments on measurements and tests of direct current machines. Ample instruction is given so that the student may gain a clear knowledge of the object of the experiment and so that no important point may be overlooked. Complete and concise reports describing each experiment and showing the results of the various tests are required from all students. Two three-hour periods, first half-year. Two semester-hour credits.

5. Electrical Laboratory.—A continuation of E. E. 4, in which further tests on direct current machines are made, involving a study of the performance characteristics of the different types. Prerequisite: E. E. 4. Two three-

hour periods, second half-year. Two semester-hour credits.

6. Industrial Electricity.—A practical course intended for Juniors in Civil Engineering, embracing the selection and operation of electrical machinery and appliances. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.

Second Section. For Undergraduates and Graduates.

21. Alternating Current Theory and Machinery.—A continuation of E. E. 2, covering the principles of simple and polyphase currents, including study of alternators, synchronous converters, induction motors, synchronous motors, transformers, etc. Four hours. Eight semester-hour credits.

22. Electrical Distribution.—A course for Seniors in Electrical Engineering, covering the whole field of distribution of electricity for light and power. Text-book: Ferguson's Elements of Electrical Transmission. One hour.

Two semester-hour credits.

23. Electrical Applications.—A course for Seniors in Electrical Engineering, covering the more important applications of electricity, such as electric generating stations, motive power, electro-metallurgy, etc. One hour. Two semester-hour credits.

24. Advanced Electrical Laboratory.—Determination of inductance, impedance, condensance, etc. Measurement of power in alternating current circuits. Regulation and efficiency tests of alternators, and transformers. Tests of induction and repulsion motors. Two three-hour periods. Four semester-hour credits.

25. Inspection of Plants and Industrial Works.—In the vicinity of Washington and Baltimore are a number of modern electric lighting and street

railway plants, telephone exchanges, telegraph operating rooms, Government laboratories devoted to special work, etc., which afford students of Electrical Engineering an opportunity to familiarize themselves with nearly all types of apparatus in use. The visits are followed by class discussion based on written description submitted by the students.

27. Electric Railways.—A course for Seniors in Electrical Engineering covering the theory and practice of modern, direct and alternating current railways. Two hours, second half-year. Two semester-hour credits.

28. Telephones and Telegraphs.—Special applications of electricity to telephony and telegraphy are taught, with details and construction of instruments, switchboards and line work. This includes a study of telephone transmitters and receivers, circuits, etc. Two hours, first half-year. Two semester-hour credits.

29. Electric Illumination.—A study of the underlying principles of scientific illumination, exterior and interior. Color combinations, control, absorption, and reflection are considered. Detail study is also made of different types of lamps, shades, arrangement of light sources, effect of walls, etc. Two hours, second half-year. Two semester-hour credits.

Third Section. Primarily for Graduates.

50. Radio-electricity.—A mathematical treatment of the fundamental principles with an exposition of their application to present day practice. Problems based on the methods used and the apparatus employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor, ten semester-hour credits, as a Major. Professor Cohen.

ENGLISH

First Section. Primarily for Undergraduales.

1. English Rhetoric.—A study of the principles of self-expression through language with practice in composition. Tu., Th., Sat., at 10.15. Six semester-hour credits. Professor Wilbur.

2. English Rhetoric.—Parallel with Course 1. Mon., Wed., Fri., at 5.10.

Six semester-hour credits. Professor Wilbur.

Note.—Credit for Course 1 or 2 is requisite for admission to any other course in English except 5 and 6.

5. Survey of English Literature.—Tu., Th., Sat., at 9.15. Six semesterhour credits. Assistant Professor Bolwell.

6. Survey of English Literature.—Parallel with Course 5. Tu., Th., Sat., at 5.10. Six semester-hour credits. Assistant Professor Bolwell

Second Section. For Undergraduates and Graduates.

22. Shakespeare.—The Comedies. (The Temple edition of Shakespeare is recommended.) Mon., Wed., Fri., at 10.15. Six semester-hour credits. Professor Wilbur.

24. English Drama to 1642.—From the beginning exclusive of Shakespeare to the closing of the theater. Mon., Wed., Fri., at 9.15. Six semester-hour credits. Assistant Professor Bolwell.

25. English Drama from 1642.—Mon., Wed., Fri., at 6.00. Six semester-hour credits. Professor Croissant.

26. Nineteenth Century English Poetry.—Tu., Th., Sat., at 10.15. Six semester-hour credits. Professor Croissant.

27. Humanistic Studies.—The drama since 1890. Tu., Th., Sat., at 10.15. Six semester-hour credits. Not given 1920-1921. Mr. WOODMAN.

28. Humanistic Studies.—Nineteenth Century English poetry. Six semester-hour credits. Not given 1920-1921. Mon., Wed., Fri., at 4.00. Mr. WOODMAN.

 American Literature.—Lectures and collateral reading. Tu., Th., Sat., at 11.15. Six semester-hour credits. Professor Crobssant.

30. Types of Literature.—Lectures on the principal types of literature with collateral reading. Mon., Wed., Fri., at 4.00. Six semester-hour credits. Professor Croissant.

31. Journalism.—The fundamentals of newspaper writing. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Mr. Chace.

33. American Literature.—Mon., Wed., Fri., at 6.00. Six semester-hour credits. Not given 1920-1921. Mr. WOODMAN.

36. The Development of the Novel.—Mon., Wed., Fri., at 1.45. Six semester-hour credits. Assistant Professor Bolwell.

39. Advanced Composition.—Tu., Th., at 4.00. Four semester-hour credits. Assistant Professor Bolwell.

Third Section. Primarily for Graduates.

51, English Seminar.—Problems for individual research. Six semester-hour credits.

Shakespeare. All the plays.—Mon., Wed., Fri., at 6.00. Six semester-hour credits. Professor Wilbur.

55. Shakespeare.—The Comedian. Tu., Th., at 5.10. Four semester-hour credits. Not given in 1920-1921. Professor Wilbur.

56. English Comedy.—The development of English Comedy with particular attention to the rise of Romantic Comedy before Shakespeare, and sentimental comedy in the eighteenth century. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Professor Croissant.

ETHNOLOGY

Third Section. Primarily for Graduates.

50. General Introduction to Ethnology.—A general course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology; religious ideas; ethical ideas, and languages of primitive peoples; the beginnings of literature and art; linguistic survey of the world; ethnological survey of the world; discussion of the problems of

independent origins versus diffusion: the classical British, Graebnerian, and American schools. Lectures and collateral readings. Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor Michelson.

51. Outlines of North-American Ethnology.—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. Mon., Wed., at 5.10. Four semester-hour credits. Professor Michelson.

52. American Indian Languages.—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. Two hours a week. Four semester-hour credits. Given in 1920-1921 only if taken by at least three students. Professor MICHELSON.

53. American Indian Languages (second course).—This is an advanced course, and members must have taken course 52, unless they have done an equivalent elsewhere. One hour a week. Two semester-hour credits. Given if taken by at least three students. Professor Michelson.

54. Seminar in Ethnology.—Competent students will be assigned topics, and the results discussed at a weekly meeting. Four semester-hour credits. This course may be taken four times, counting each time. The subject-matter will be changed yearly. This will be in accordance with the needs of individual students. Professor Michelson.

FRENCH

See Romance Languages.

GEOLOGY AND MINERALOGY

First Section. Primarily for Undergraduates.

1. Mineralogy.—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. Text Book: Mineralogy, Crystallography, and Blowpipe Analysis by Moses and Parsons. Mon., Fri., at 5.10. Four semester-hour credits. Professor Bassler and Dr. Resser.

2. Geology.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general-culture course or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text book: Cleland's Geology. Mon., Fri., at 6.00. Four semester-hour credits. Professor Bassler and Dr. Resser.

3. General Geography.—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of

THE PERSON

two parts, first, a study of the general geographic principles, and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. Wed., at 5.10. Two semester-hour credits. Dr. Resser.

4. Physiographic Geography.—A general culture, illustrated lecture course treating of the physical phases of geography, the earth's surface, atmosphere, and the distribution of life. Wed., at 6.00. Two semester-hour credits. Dr. Resser.

Second Section. For Undergraduates and Graduates.

- 20. Economic Geology.—[Geology 1 and 2 and Chemistry 1 are pre-requisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and minerals used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Textbooks: Lindgren's Mineral Deposits. Mon., Fri., at 5.10. Given in alternate years. Four semester-hour credits. Professor Bassler and Dr. Resser.
- 21. Engineering Geology.—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply and water purification and similar problems are discussed in detail. Text-book, Engineering Geology by Ries and Watson. Mon., Fri., at 4.00. Four semester-hour credits. Dr. Resser.
- 22. Paleontology.—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor Bassler.

Third Section. Primarily for Graduates.

 Advanced Geology, Mineralogy and Paleontology.—Advanced course in these subjects may be arranged for competent students. Six semester-hour credits. Professor Bassler.

GERMANIC LANGUAGES AND LITERATURE

First Section. Primarily for Undergraduates.

1. Elementary.—The essentials of German grammar; translation of easy prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two year's course in high schools and academies of good standing. Tu., Th., Sat., at 11.15. Six semester-hour credits. Professor SCHOENFELD.

2. Parallel with course 1. Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor Schmidt.

3. Selected tests from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or have satisfied the admission requirement in elementary German. *Mon.*, *Wed.*, *Fri.*, at 11.15. Six semester-hour credits. Professor Schoenfeld.

4. Parallel with Course 3.—Contemporary German is read during the first half-year and classical during the second half-year. Mon., Wed., Fri., at 6.00. Six semester-hour credits. Professor Schmidt.

6. Scientific and Technical German.—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed course 1 or 2, or who have satisfied the admission requirement in elementary German. Tu., Th., Sat., at 6.00. Six semester-hour credits. Professor Schmidt.

7. Advanced course in German syntax; principal difficulties of the language; idioms, synonyms; translations of English prose into German; essays; selected advanced prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or have satisfied the admission requirement in advanced German. Mon., Wed., Fri., at 1.45. Six semester-hour credits. Professor Schoenfeld.

8. Parallel with Course 7, with special reference to advanced students both in the historic-political and the scientific departments. Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor Schoenfeld.

Second Section. For Undergraduates and Graduates.

20. Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation, with special reference to the emerging of the Germanic, Romance, and Slavie races. Anthology of the early literary monuments to the Minnesingers.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. Mon., Wed., Fri., at 10.15. Six semester-hour credits. Professor Schoenfeld.

21. German Literature of the Second Classic Period at its Zenith.—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German volkslied in the eighteenth and nineteenth centuries. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Professor Schoenfeld.

22. The Currents of German Literature from the Beginning of the Nineteenth Century until 1870.—Romanticism, its social and political aspects; Modern

German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads; Uhland and Heine. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Not given in 1920-21. Professor Schoenfeld.

Third Section. Primarily for Graduales.

50. Seminar in the History of Middle High German Literature, with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries. Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsaga. Six semester-hour credits. Professor Schoenfeld.

51. Gothic.—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. Old High German.—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year. For notice of the Richard Heinzel Germanic Library, see page 10.

GREEK

See Classical Language.

HISTORY

First Section. Primarily for Undergraduates.

1. Mediaeval History.—A history of the settlement of the Germanic tribes in the territory of the Empire, with a study of feudal institutions, extending through the movements of the Crusades; texts, with assigned readings. First half-year. Mon., Wed., Fri., at 2.45. Three semester-hour credits. Professor Swisher.

2. Mediaeval History.—A history of the evolution of national government extending through the periods of the Renaissance and the Protestant Revolution; texts and assigned readings. Second half-year. Three semester-hour credits. Mon., Wed., Fri., at 2.45. Professor Swisher.

3. Modern European History.—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution; texts, lectures and collateral readings. First half-year. Mon., Wed., Fri., at 3.45. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century, with a more detailed study of recent issues; texts, lectures and collateral readings. Second half-year. Mon., Wed., Fri., at 3.45. Three semester-hour credits. Professor Swisher.

Second Section. For Undergraduates and Graduates.

20. American History.—A study of the formation of the Union and the subsequent history of the United States to date, with particular attention to those factors which have tended to develop or retard the growth of American nationality; text-book, lectures, and special reports. Tu., Th., Sat., at 11.15. Six semester-hour credits. Assistant Professor Alden.

25. English History.—A general course in English history with special attention to constitutional and political development. Texts, lectures and collateral reading. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Assistant Professor Churchill.

30. American Constitutional History.-A history of the origin and development of the Federal Constitution of 1789, with a study of its interpretation under the pressure of party issues. Lectures, text-books, and collateral readings. Mon., Wed., Fri., at 6.00. Six semester-hour credits. Assistant Professor McARTHUR.

31. Modern European History.—A study of the French revolution and subsequent reaction extending through the Revolution of 1848. First halfyear. Tu., Th., Sat., at 6.00. Three semester-hour credits. Professor SWISHER.

32. Modern European History.-From 1850 to the present time. Second half-year. Tu., Th., Sat., at 6.00. Three semester-hour credits. Professor Swisher.

33. Current History.—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. Sat., at 11.15. Two semester-hour credits. Professor Swisher.

34. Contemporary History.—A study of international issues during the present century with special reference to the causes and results of the recent war. Tu., Th., Sat., at 5.10. Professor Swisher and Assistant Professor McARTHUR. Not given in 1920-21.

35. General History.—History of Europe from the fall of the Empire of the West to the election of Charles V. Tu., Th., Sat., at 5.10. Six semesterhour credits. Professor Swisher and Assistant Professor McArthur.

Third Section. Primarily for Graduates.

54. Seminary Work.—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the Seminaries of American and Modern European History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods or facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminars. Regular meeting of Seminar, Saturday, 12.15-2.15. Six semester-hour credits. Professor Swisher, Assistant Professor Alden, and Assistant Professor CHURCHILL.

Note.—Additional courses in history may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

LATIN

See Classical Languages.

MATHEMATICS

First Section. Primarily for Undergraduates

3. College Algebra; Solid Geometry; Plane Trigonometry.—Algebra is studied during the first half-year, solid geometry during February and March, and trigonometry during April and May. Section A. Mon. Wed., Fri., at 9.15. Section B. Tu., Th., Sat., at 9.15. Six semester-hour credits. Professor Erwin.

4. Algebra; Plane Trigonometry.—Algebra is studied until April 1, and trigonometry during April and May. Mon., Wed., Fri., at 5.10. Six semester-hour credits. Assistant Professor Hodgkins.

 College Algebra; Solid Geometry; Plane Trigonometry.—Parallel with Course 3. Mon., Wed., Fri., at 6.00. Six semester-hour credits. Assistant Professor Hodgkins.

8. College Algebra.—Mon., Wed., Fri., at 5.10. Second half-year. Three semester-hour credits. Mr. Daniel.

9. Trigonometry; Analytic Geometry.—Trigonometry until Jan. 1, analytic geometry for the remainder of the session. The completion of Course 3, 4 or 6 is requisite for admission to this course. Mon., Wed., Fri., at 10.15. Six semester-hour credits. Professor Enwin.

12. Trigonometry; Analytic Geometry.—Parallel with Course 9. Section A. Mon., Wed., Fri., at 5.10. Section B. Mon., Wed., Fri., at 6.00. Section C. Tu., Th., Sat., at 6.00. Six semester-hour credits. Professor Erwin.

Second Section. For Undergraduates and Graduates

20. Differential and Integral Calculus; Elements of differential equations.— Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor Hodgkins.

21. Differential and Integral Calculus; Elements of differential equations.—
Tu., Th., Sat., at 9.15. Six semester-hour credits. Professor Hodgkins.

24. An Elementary Treatise on the Theory of Equations; The Number-System of Algebra.—Tu., Th., Sat., at 10.15. First half-year. Three semester-hour credits. Professor Erwin.

 Introduction to Infinitesimal Analysis; Hyperbolic Functions.—Tu., Th., Sat., at 10.15. Second half-year. Three semester-hour credits. Professor Erwin.

Third Section. Primarily for Graduates

Differential Equations.—Mon., Fri., at 11.15. Four semester-hour credits. Professor Hodgkins.

51. Least Squares.—Tu., Th., at 10.15. Second half-year. Two semester-hour credits. Professor Hodgkins.

54. Theory of Functions of a Complex Variable.—Tu., Th., Sat., at 5.10.

Six semester-hour credits. Professor Erwin.

55. Differential Geometry.—Tu., Th., Sat., at 5.10. Six semester-hour credits. Note.—Not more than two of the courses 24, 25, 54, and 55 will be given during any one semester. Professor Erwin.

MECHANICAL DRAWING

First Section. Primarily for Undergraduates

1. Mechanical Drawing.—A general course embracing the care and use of instruments; Freehand lettering, orthographic and isometric projections; sketching of simple machine details; principle of working drawings; curve plotting. Section A. Mon., Wed., 1.45 to 4.45. Section B. Mon., Fri., 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor Halsey, Mr. Woodward. Mr. Wilson, Mr. Cruickshanks.

2. Machine Drawing.—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard parts. Much stress is laid upon drafting room practice, arrangement of views and conventional forms and standards Section A. Mon., Wed., 1.45 to 4.45. Section B. Tu., Th., 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor Halsey,

Mr. Woodward, Mr. Wilson and Mr. Cruickshanks.

4. Mechanical Drawing.—A course for Chemical Students. Section A. Wed., 1.45 to 4.45. Section B. Mon., 7.30 to 10.30 P. M. Two semester-hour credits. Assistant Professor Halsey, Mr. Woodward, Mr. Wilson,

Mr. CRUICKSHANKS.

8. Descriptive Geometry.—A course of lectures, recitations, and drafting room work on the line, point, and plane; single and double curved surfaces; tangent lines and tangent planes; intersections of lines, planes, and solids; shades, shadows and perspective. Section A. Fri., 1.45 to 4.45. Section B. Wed., 7.30 to 10.30 P. M. Two semester-hour credits. Professor LAPHAM and Mr. CRUICKSHANKS.

MECHANICAL ENGINEERING

First Section. Primarily for Undergraduates

1. Mechanism.—A course in the systematic study of the kinematics of machinery, in which the mechanical movements are reduced to a scientific analysis. Carefully developed problems and diagrams of changes of position and speed in mechanism are constantly used.

Some attention is given to the design of gear teeth, and a large part of the second half-year is devoted to the study of steam engine valve gears. Section A. Mon., Wed., Fri., at 10.15. Section B. Mon., Wed., Fri., at 6.00 and one two-hour drawing period per week. Eight semester-hour credits. Mr. CRUICKSHANKS.

9. Engineering Laboratory.—A course of practical work in the testing of engineering apparatus and materials. The work consists of tests of the strength of iron steel and cement; measurement of the flow of air and water;

tests of steam calorimeters; tests of pumping machinery; efficiency tests of steam engines; fuel value determinations; evaporative efficiency of boilers. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor Halsey.

10. Engineering Laboratory.—A completion of Course 9. Two three-hour periods, first half-year. Two semester-hour credits. Assistant Professor Halsey.

11. Engineering Laboratory.—Advanced work in the laboratory for Mechanical Engineering students. The work consists of efficiency tests of refrigerating machinery, air compressing machinery; Hirn's analysis; etc. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor Halsey.

Second Section. For Undergraduates and Graduates

20. Thermodynamics, Steam Boilers, and Power Plant Accessories.—About five months are devoted to the principles of thermodynamics, the theoretical gas and vapor cycles, and the properties of steam. The application of the theoretical vapor cycles to the real steam engine is discussed. The latter part of the course is devoted to the study of steam boilers, steam turbines, gas engines, steam power plant accessories, compression and refrigeration machinery. Three hours. Six semester-hour credits. Assistant Professor Halsey and Mr. Cruickshanks.

23. Hydraulic Machinery.—This course provides for an elementary study of hydraulic prime movers and pumping machinery. It includes a discussion of the theory and design of turbines and turbine blades for low and

high heads, and turbine governors.

The impeller and diffusion vane case of a four stage centrifugal pump are designed and drawings made of these parts. Two hours, first half-year. Two semester-hour credits. Assistant Professor Halsey.

24. Methods of Manufacture.—A study of modern manufacturing methods, machine tools, automatic machines and quantity production machinery. Two hours, second half-year. Two semester-hour credits. Assistant Professor Halsey.

25. Machine Design.—This course is an application of principles already acquired to problems in design, each student being required to complete

every detail of the design undertaken.

The subjects taken as design problems are:

The complete design of a punch, or the design of a steam boiler, a series of

shaft-couplings, and a fly-wheel.

The constructive details and calculations are discussed and the limitations of theoretical and empirical formulas pointed out. One lecture-recitation hour and five hours in the drawing room. Four semester-hour credits. Assistant Professor Halsey.

26. Dynamics of Machinery.—A course including a number of the principal applications of dynamics to moving machinery, such as governors, fly-wheels, and the effect of the reciprocating parts of gas and steam

engines. Two hours. Four semester-hour credits. Assistant Professor Halsey.

27. Power Plants.—A course of problems dealing with the operation, finance and economics of steam and gas-power plants. The course should be taken with the second semester of Mechanical Engineering, 20. Two three-hour problem periods. Two semester-hour credits. Assistant Professor Halsey.

28. Industrial Management.—A course dealing with the business systems

of manufacturing establishments.

The work includes a study of the organization and relations of the various departments of an industrial establishment, both in the office and in the workshop. It also discusses the conduct of accounts, the method of superintendence and of compensating labor, the determination of the cost of production, and the effect on costs of different systems of distributing indirect expenses. This course also considers the factors which enter into a determination of the depreciation of structures and the economic selection thereof. Two hours. Four semester-hour credits. Assistant Professor Halsey.

29. Heating and Ventilating.—This course deals with the elementary principles underlying the subject of heating and ventilating. Furnace heating, direct and indirect steam heating, hot-water heating, and the ventilating of different types of buildings are discussed. Two hours. Second half-year. Two semester-hour credits. Assistant Professor Halsey.

30. Gas Engines.—This course deals with the thermodynamics and practice of the internal combustion engine. A study is made of the principal existing types of engines. Three hours. First half-year. Three semester-hour credits. Assistant Professor Halsey.

31. Steam Turbines.—This course deals with the thermodynamics and practice of the steam turbine. Nozzle and blade design is taken up and a study is made of the existing types of turbines. Two hours. Second half-year. Two semester-hour credits. Assistant Professor Halsey.

Third Section. Primarily for Graduates.

50. Advanced Machine Design.—Six semester-hour credits. Assistant Professor Halsey.

51. Advanced Power Plant Design.—Six semester-hour credits. Assistant Professor Halsey.

METEOROLOGY

Third Section. Primarily for Graduates.

- 50. Applied Meteorology.—Investigation of the underlying laws governing meteorological phenomena and of the methods employed in practice for their interpretation and applications. Six semester-hour credits. Professor Moore.
- 51. Meteorological Physics.—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those

wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor Humphreys.

NAUTICAL SCIENCE

First Section. Primarily for Undergraduates.

1. Nautical Science.—Marine and aerial navigation; nautical astronomy; nautical almanae; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor Littlehales.

Third Section. Primarily for Graduates.

50. Nautical Science.—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor Littlehales.

NAVAL ARCHITECTURE

Second Section. For Undergraduates and Graduates.

20. Elementary Naval Architecture.—Calculations and details of construction connected with the design of steel composite and wooden ships for the merchant, naval and special services. Students make structural, and line drawings for a given vessel. Three recitations, one drawing period. Eight semester-hour credits. Mr. Jennison.

21. Advanced Naval Architecture.—Advanced design, ship construction, equipment and fittings, organization and administration of shipyards, economics of design, inspection, testing, contracts and specifications. Students' complete design, calculations and specifications for a vessel. At seasonable periods during the course, shipyards in the vicinity are visited and studied. Three recitations, one drawing period, Eight semester-hour credits. Mr. Jennison.

24. Elementary Marine Engineering.—Boilers, reciprocating engines and auxiliary machinery. Fuels and thermodynamics for marine machinery, indicator diagrams and valve gears. Students make arrangement drawings for a scotch boiler and reciprocating engine. Three recitations, one drawing period. Eight semester-hour credits. Mr. Jennison.

PHILOSOPHY AND PSYCHOLOGY

First Section. Primarily for Undergraduates.

1. General Psychology.—An introductory study of human nature in its emotional, intellectual, and volitional aspects. First half-year. Mon.,

Wed., Fri., at 10.15. Three semester-hour credits. Assistant Professor METCALF.

2. General Psychology.—Parallel with Course 1. Second half-year. Mon., Wed., Fri., at 5.10. Three semester-hour credits. Assistant Professor METCALF.

6. General Psychology.—Parallel with course 1. First half-year. Tu., Th., Sat., at 5.10. Three semester-hour credits. Assistant Professor

METCALF.

3. Logic.—A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure, and organization of knowledge. Second half-year. Mon., Wed., Fri., at 10.15. Three semester-hour credits. Professor Ruediger.

4. Logic.—Parallel with Course 3. First half-year. Mon., Wed., Fri.,

at 5.10. Three semester-hour credits. Professor RUEDIGER.

8. Logic.—Parallel with course 3. Second half-year. Tu., Th., Sat., at 5.10. Three semester-hour credits. Assistant Professor Metcalf.

Second Section. For Undergraduates and Graduates.

20. History of Philosophy.—The more important epochs in the history of thought. Attention is directed to the relation of these distinctive periods to the course of the world's progress. Tu., Th., Sat., at 10.15. Six semester-hour credits. Professor RICHARDSON.

21. Ethics.—A historical and theoretical course, with the aim of acquainting the student with the principal ethical theories. Reference is made to the application of these theories to concrete conditions. Second half-year. Tu., Th., at 9.15. Two semester-hour credits. Professor RICHARDSON.

22. Ethics.—Parallel with Course 21. Second half-year. Mon., Wed.,

at 6.00. Two semester-hour credits. Professor Richardson.

23. Laboratory Psychology.—Experiments on sensation, perception, attention, memory, feeling motor processes, etc. In the second half-year the course will include a study of mental tests. Prerequisite: general psychology. Lecture, Mon. at 1.45, Laboratory Wed., Fri. 1.45-3.45. Six semester-hour credits. Assistant Professor Metcalf.

24. History of Philosophy.—The development of philosophy, its nature and problems. This course, while introductory, is designed to be comprehensive and to give the student a general survey of the philosophic field. Tu., Th., at 5.10. Four semester-hour credits. Professor RICHARDSON.

25. Laboratory Psychology.—Experiments on sensation, movement, effects of practice, memory and association, emotional manifestations, etc., and practical work with the Binet and other mental tests. Sat., 9.15-11.15. Three semester-hour credits. Assistant Professor Metcalf.

27. Recent Philosophical Movements.—A consideration of the various philosophical movements and tendencies of the immediate past. A critical study of the occasion and meaning of the trend of thought at the present time. Lectures and reading of recent books and periodicals. Wed., at 5.10. Two semester-hour credits. Professor RICHARDSON.

28. Philosophy of Nature.—A critical examination of the concepts of physical science. An investigation of the significance of scientific laws and theories. Not given in 1920-21. Two semester-hour credits. Professor RICHARDSON.

(Courses 27 and 28 are given in alternate years.)

29. Problems of Philosophy.—A critical and constructive examination of fundamental philosophic principles and problems. Lectures, readings, and reports. First half-year. Tu., Th., at 9.15. Two semester-hour credits. Professor Richardson.

30. Problems of Philosophy.—Parallel with Course 29. First half-year. Mon., Wed., at 6. Two semester-hour credits. Professor RICHARDSON.

Third Section. Primarily for Graduates.

50 Seminar in Psychology.—Topics of current interest in psychology will be studied by means of papers, discussions and reviews of contemporary literature. Open to qualified undergraduates. Tu. and Th. at 6. Six semester-hour credits. Assistant Professor Metcalf.

51. Metaphysics.—The principles of metaphysics and the problems of philosophy. An advanced course tracing the origin and development of metaphysical questions, and a critical examination of the attempted solution of these problems. Readings, conferences and written reports. Six semester-hour credits. Professor RICHARDSON.

52. Advanced, Experimental, Abnormal or Physiological Psychology.—Course to be altered in different years in accordance with the needs of students. Prerequisite—courses in general psychology, and introductory experimental psychology. Conferences, reading of recent literature, and demonstrations. Mon., 7.30-9.30. Six semester-hour credits. Professor Franz.

53. Research in Psychology.—Advanced students, who select psychology as major or minor for the degree of A.M., or Ph.D., will be given special topics for investigation in abnormal, physiological or experimental psychology. To be preceded or accompanied by Course 52 or its equivalent. Six semester-hour credits. Professor Franz.

PHYSICS

First Section. Primarily for Undergraduates.

1. General Physics.—A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations. This is a required course for Sophomores in Engineering, and may be elected by the general student who has completed Mathematics 9 or 12. Section A, Mon., Wed., Fri., at 11.15; Section B, Mon., Wed., Fri., at 5.10. Six semester-hour credits. Professor Brown.

2. Laboratory Physics.—Laboratory methods, accurate measurement of physical quantities, and experimental study of physical laws and apparatus. Course 2 is arranged to accompany Course 1, and may not otherwise be

taken without previous preparation in Physics equivalent to Course 1. Two two-hour periods. Tu., Th., 10.15, 2.45, or 7.30, or Mon., Fri., 7.30. Four semester-hour credits. Professor Brown, Mr. Cheney and assistants.

3. Introductory General Physics.—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of the student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. Section A, Mon., Wed., Fri., at 1.45, Professor Brown; Section B, Mon., Wed., Fri., at 6.00, Mr. Cheney. Six semester-hour credits.

4. Introductory Laboratory Physics.—Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurement. Course 4 is arranged to accompany Course 3, and may not otherwise be taken without previous preparation in Physics equivalent to Course 3. Tu., Th., 10.15, or Tu., Th., 2.45, or Mon., Fri., 7.30. Four semester-hour credits. Professor Brown, Mr.

CHENEY and Assistants.

9. Elementary Electricity and Magnetism and its Applications.—Recitations and lectures illustrated by experimental demonstrations. This course is designed to acquaint the non-technical student with the fundamental principles and phenomena of Electricity and Magnetism, and their applications in every day life. Tu., Th., 11.15. Four semester-hour credits. Professor Brown.

Second Section. For Undergraduates and Graduates.

21. Heat and Thermodynamics.—A recitation and lecture course, using Edser's Heat as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor Brown.

22. Light.—A recitation and lecture course, using Edser's Light as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor Brown.

23. Electricity and Magnetism.—Lectures and recitations. The fundamental theory and phenomena of Electricity and Magnetism will be studied as a preparation for the study of the recent developments and theories in this field of Physical Science. Special attention will be given, towards the end of the course, to the electron theory in its relation to these modern developments. Tu., Th., Sat., at 5.10. Professor Brown.

25. Advanced Laboratory Physics.—This course is planned to follow Course 2, and is given for students especially interested in Physics. The experimental work may be of a general nature, or may follow special lines of study, according to the needs of the individual student. Course 25 may advantageously be taken by students in Courses 21, 22 and 23. One or more periods per week. Two or more semester-hour credits. Hours by arrange-

ment. Assistant Professor Brown.

Third Section. Primarily for Graduates.

57. Statistical Mechanics and Kinetic Theory.—This course includes Gibb's preliminary derivation of the fundamental equations of thermodynamics and a discussion of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Wall's equations and molecular aggregation and dissociation. Gibb's statistical mechanics and Jean's Dynamical Theory of Gases. A lecture and seminar course. Not given in 1920-21. Mr. VAN ORSTRAND.

58. Elasticity.—The physical properties of solids as applied to problems in geophysics. Homogenous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's Mathematical Theory of Elasticity. A lecture and seminar course. Not given in 1920-21. Mr. VAN ORSTRAND.

60. Least Squares.—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merrimans' Method of Least Squares. A lecture and recitation course. First half-year. Mon. at 5.10 One semester-hour credit. Mr. Van Orstrand.

61. Conduction of Heat.—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's Mathematical Theory of Heat Conduction. A lecture and recitation course. Second half-year. Mon., at 5.10. One semester-hour credit. Mr. Van Orstrand.

POLITICAL SCIENCE

First Section. Primarily for Undergraduates.

1. Government of the United States.—Besides an analysis of the structure of the federal government this course includes a study of the powers and the influence of the president, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts, and it shows how the Federal Trade Commission has modified the earlier policies in regard to the trusts. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. Mon., Wed., Fri., at 10.15. Three semester-hour credits. Professor Hill.

 Government of the United States.—Parallel with Course 1. Tu., Th., Sat., at 6.00. Professor Hill.

3. State Government.—The vote, public opinion, direct legislation, police power, public utilities, and executive responsibility are the chief topics. A rapid survey is made of the three types of city government in the United States and of local government in the United Kingdom and in France. Second half-year. Mon., Wed., Fri., at 10.15. Three semester-hour credits. Professor Hill.

4. State Government.—Parallel with Course 3. Tu., Th., Sat., at 6.00.

Professor Hill.

6. Political Parties in the United States.—A study of the functions of political parties in our government, their history, and their organization. First half-year. Tu., Th., Sat., at 5.10. Three semester-hour credits. Not given in 1920-21.

8. South American Republics.—A sketch of their establishment, an analysis of the structure of their governments, and a study of how these governments reflect economic and social conditions is the object of the course. Second half-year. Tu., Th., Sat., at 5.10. Three semester-hour credits. Not given in 1920-21.

Second Section. For Undergraduates and Graduates.

21. Comparative European Governments.—The governments of the British Empire and of Germany. First half-year. Mon., Wed., Fri., at 11.15. Three semester-hour credits. Professor Hill.

22. Comparative European Governments (continued.)—The Governments of France, Italy and Switzerland are described and some attention is given colonial administration. Second half-year. Mon., Wed., Fri., at 11.15.

Three semester-hour credits. Professor Hill.

23. City Government in the United States.—A study of the origin and structure of the mayor and council, commission, and city manager plans, home rule, the relation of the city to the state, municipal powers and officers, social and individual rights and of references to European experience. First half-year. Mon., Wed., Fri., at 11.15. Three semester-hour credits. Not given in 1920-21.

24. Constitutional Law.—The interpretation of clauses in the constitutions of the United States and of the separate states affecting officers, courts, powers of Congress, police power and private rights as found in judicial decisions forms the subject matter. Second half-year. Mon., Wed., Fri., at 11.15. Three semester-hour credits. Not given in 1920-21.

26. Brazil, Its Political Evolution.—A study of the political, social, and economical evolution of Portuguese America. The international policy of Brazil is given due consideration. The course runs through the year. Two

semester-hour credits. Mon., at 5.10. Professor Coutinho.

27. International Relations.—The leading European treaties, especially during the last century, form the focii of the course. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. Tu., Th., Sat., at 5.10. Three semester-hour credits. Professor HILL.

28. International Relations, (continued).—Leading American treaties form the basis for this course. Second half-year. Tu., Th., Sat., at 5.10. Three

semester-hour credits. Professor HILL.

29. Principles of International Law.—Lectures, text, cases, and a paper. First half-year. Mon., Wed., Fri., at 5.10. Three semester-hour credits. Rear-Admiral Stockton and Professor Hill.

30. Elements of Diplomacy and Diplomatic Usage.—Lectures, text, cases, and a paper. Second half-year. Mon., Wed., Fri., at 5.10. Three semester-hour credits. Rear-Admiral Stockton and Professor Hill.

Third Section. Primarily for Graduates.

51. Readings in Political Science.—This course is arranged to meet the individual needs of advanced students. The handling of material and the writing of a report are included. Hours by appointment. Two semester-hour credits each half-year. Professor Hill.

PREVENTIVE MEDICINE

Third Section. Primarily for Graduates.

50. A seminar course dealing with vital statistics; etiology and prevention of infectious diseases; causes and prevention of infant mortality; prevention of disease of occupation; protective inoculations; municipal hygiene; national and interstate preventive measures. Six semester-hour credits. Professor Pryon.

ROMANCE LANGUAGES AND LITERATURE

French

First Section. Primarily for Undergraduates.

- 1. First-Year Course.—Fraser and Squair's Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern French fiction, comedy and history. For beginners. Six semester-hour credits. Section A, Mon., Wed., Fri., at 9.15; Section B, Tu., Th., Sat., at 9.15. Mr. Protzman.
- 2. First-Year Course.—Parallel with Course 1. Fraser and Squair's French Grammar. For beginners. Six semester-hour credits. Section A, Mon., Wed., Fri., at 5.10, Mr. Protzman. Section B, Mon., Wed., Fri., at 6.00, Mr. Protzman. Section C, Tu., Th., Sal., at 5.10, Mr. Protzman. Section D, Tu., Th., Sal., at 5.10., Mr. Kramer. Section E, Tu., Th., Sal., at 6.00, Mr. Cullom.
- 3. Second-Year Course.—Fraser and Squair's French Grammar. First text, Loti, "Pécheur d'Islande," (Holt); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A, Mon., Wed., Fri., at 10.15, Professor Henning. Section B, Tu., Th., Sat., at 9.15. Professor Doyle.
- 4. Second-Year Course.—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Dumas fils, "La question d'argent" (Heath); other texts to be announced. Six semester-hour credits. Section A, Tu., Th., Sat., at 5.10, Professor Henning. Section B, Tu., Th., Sat., at 6.00, Mr. Kramer.
- 5. General Survey of Modern French Literature.—(Nineteenth, eighteenth, and seventeenth centuries.) Translation, collateral reading and reports thereon, lectures on literature. Open to students who have passed in

Course 3 or 4, or have fulfilled the admission requirements in Advanced French. Six semester-hour credits. Mon., Wed., Fri., at 4.00. Professor HENNING.

6. Parallel with French 5.—Six semester-hour credits. Tu., Th., Sat., at 6.00. Professor Henning. (This course will be given only if elected by at

least six students at the beginning of the year.)

7. Conversation and Composition. - Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French, or otherwise satisfy the instructor of their fitness to take it. Four semester-hour credits. Mon., Wed., Fri., at 5.10. Mr. TEILLARD. (This course will be given only if elected by at least twelve students at the beginning of the year.)

Second Section. For Undergraduates and Graduates.

(Courses in this group are open to students who have passed in Course 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

21. Literature of the Seventeenth Century.—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry, Balzae, Boileau, Corneille, Descartes, Fénelon, Mme de La Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evre-mond, Saint-Simon, Mme de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. Mon., Wed., Fri., at 5.10. Professor Henning. Not given in 1920-21.

26. Literature from 1750 to 1850; The Romantic Movement.-History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Chénier, Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Michelet, Musset, Sainte-Beuve, George Sand, Mme de Staël, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. Mon., Wed.,

Fri., at 5.10. Professor HENNING. Not given in 1920-21.

28. Literature from 1850 to the present.—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaître, Loti, Maeterlinek, Maupassant, Mérimée, Renan, Rostand, Sully Prudhomme, Taine, Verlaine, etc. Six semester-hour credits. Mon., Wed., Fri., at 5.10. Professor Henning. (Given in 1920-21.)

Third Section. Primarily for Graduates.

50. Old French.—Philology and Literature. La Chanson de Roland and Chrétien de Troyes. Phonology and morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the 13th century. Some knowledge of Latin is essential. Six semester-hour credits. Mon., Wed., Fri., at 5.10. Assistant Professor Doyle. (Given in 1920-21.)

55. One course in the literature of the nineteenth century will be arranged for competent graduates. Six semester-hour credits. Mon., Wed., Fri., at

5.10. Professor Henning.

Spanish

First Section. Primarily for Undergraduates.

1. First-Year Course.—Hills and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. For beginners. Six semester-hour credits. Section A. Mon., Wed., Fri., at 9.15. Mr. Patison. Section B. Mon., Wed., Fri., at 1.45. Mr. PROTZMAN.

2. First-Year Course.—Parallel with Course 1. Hills and Ford's First Spanish Course. For beginners. Six semester-hour credits. Section A. Mon., Wed., Fri., at 5.10. Mr. Patison. Section B. Mon., Wed., Fri., at 6.00. Mr. Patison. Section C. Tu., Th., Sat., at 5.10. Mr. Patison.

Section D. Tu., Th., Sat., at 6.00. Mr. PATISON.

ALL WHILE

3. Second-Year Course.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. Mon., Wed., Fri., at 10.15. Mr. Patison.

4. Second-Year Course.—Parallel with Course 3. Six semester-hour credits. Section A. Mon., Wed., Fri., at 6.00. Assistant Professor Doyle. Section B. Tu., Th., Sat., at 5.10. Assistant Professor Doyle.

- 6. General Survey of Modern Spanish Literature.—Eighteenth and nineteenth centuries; contemporary writers. Translation of representative works of drama, fiction, poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Composition. Open to students who have passed in Spanish 3 or 4 or have done equivalent work. Tu., Th., Sal., at 6.00 Six semester-hour credits. Assistant Professor Doyle.
- 7. Conversation and Composition.—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take it. Mon., Wed., Fri., at 6.00. Four semester-hour credits. Mr. Saldaña. (This course will be given only if elected by at least twelve students at the beginning of the year.)

8. Spanish-American Prose.—Study of some of the leading critics, essayists, and novelists: Rodó, Hostos, Blanco-Fombona, Blest Gana, etc. Lectures and collateral reading. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. First half-year, Mon., Fri., at 5.10. Two semester-hour credits. Mr.

Jones. (Not given in 1920-21).

10. Spanish-American Poetry.—Intensive study of some of the leading poets: Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. Second half-year. Mon., Pri., at 5.10. Two semester-hour credits. Assistant Professor Doyle. (Not given in 1920–21).

Second Section. For Undergraduates and Graduates

(Courses in this group are open to students who have passed in Course 6, or otherwise satisfy the instructor of their fitness to take them.)

22. Spanish Literature of the Sixteenth and Seventeenth Centuries.—The Golden Age. Cervantes, Calderón, Lope de Vega. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside reading, lectures. A large amount of collateral reading will be required. Mon., Wed., Fri., at 4.00. Six semester-hour credits. Assistant Professor Doyle.

Portuguese

Primarily for Undergraduates

1. First-Year Course.—Portuguese as a Romance Language. Phonetics and drill in pronunciation, dictation, grammar, translation, composition and conversation. In the second semester the classes are mainly conducted in Portuguese. For beginners. Mon., Wed., Fri., at 6.00. Six semester-hour credits. Professor Coutinho.

2. First-Year Course.—General survey of the history of the Literature (Portugal and Brazil). No knowledge of Portuguese is necessary. Th., Sat., 5.10. Four semester-hour credits. Professor Coutinho.

4. Second-Year Course.—Advanced grammar, composition, reading and translation of modern prose and poetry (Portuguese and Brazilian authors of XVIII and XIX centuries). In the second semester Portuguese authors of XVI and XVII centuries. Classes will be conducted in Portuguese. Mon., Wed., Fri., at 5.10. Six semester-hour credits. ProfessorCoutinho.

SEMITIC LANGUAGES AND LITERATURE

Second Section. For Graduates and Undergraduates

20. Elementary Hebrew.—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. Advanced Hebrew.—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and postbiblical literature. Two hours a week. Four semester-hour credits. Professor Schapiro.

Third Section. Primarily for Graduates

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour. credits. Professor Schaper.

AUL WIN

ZOOLOGY

First Section. Primarily for Undergraduates

1. Systematic Zoology.—Invertebrates. This includes lectures and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with biological characters classificatory laws, and the general principles of evolution. Lecture, Mon., at 5.10; laboratory, Wed., Fri., 5.10-6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor Bartsch, Mr. Schmitt and Miss Macmillan.

2. Systematic Zoology.—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Lecture, Mon., at 6.00; laboratory Wed., Fri., 5.10-6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor Bartsch, Mr. Schmitt, Mr. Wetmore and Miss Macmillan.

Second Section. For Undergraduates and Graduates

20. Practical Zoology.—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester hour credits. Professor Bartsch.

23. Ornithology.—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life of birds. The laboratory work consists in classifying bird skins, of which the University possesses an excellent series. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits of these forms. Lecture, one hour; laboratory, one two-hour period. Four semester-hour credits. Professor Bartsch.

Laboratory courses in histology and physiology will be arranged for competent students.

Third Section. Primarily for Graduates

50. Courses may be arranged for competent graduates. Six semester-hour credits. Professor Bartsch.

SUMMER SCHOOL

ARTS AND SCIENCES

1920

CALENDAR

June 17-30	Registration, 10-12 a. m.; 4-6 p. m.
June 21	Monday-Instruction begins in the three-credit courses com-
	ing at 7.45 a. m. and in all the afternoon classes.
June 28	Monday-Instruction begins in the two-credit courses com-
7	ing in the forenoon.
July 5	Monday—Holiday.
July 10	Saturday—Classes meet at the usual hours.

THE SUMMER SCHOOL HISTORY AND CHARACTER

The present series of Summer Schools of George Washington University was authorized by the Board of Trustees in the fall of 1915 and the first session was held in the summer of 1916. The enrollment of that session reached 166 students. The work given was all of college grade, was offered by the regular members of the faculty and other specialists of equal standing, and was done in a manner no less thorough than that of the regular session. The attendance was excellent and the spirit that pervaded both faculty and students was exceptionally wholesome and refreshing. These standards and spirit have been fully maintained in all succeeding sessions.

GROWTH

The growth of the Summer School has been steady and substantial and has amply justified its inauguration. The enrollment in the four sessions held so far has been as follows:

1916,	166	1918,	308
1917,	230	1919,	461

An inspection of these figures shows that the enrollment of the third session was nearly double that of the first, that of the fourth fully double that of the second, and that of the last nearly three times that of the first. The annual rates of increase have been respectively 35, 36, and 50 per cent. On August 1, the 1820 session had an enrollment of 780, an increase of nearly 70 per cent over 1919.

THE STUDENT BODY

The aspect of the student body that is worthy of special remark is not its size but its cosmopolitan character. Every session enrolls students from nearly every state in the Union and from many foreign countries. Many of these students, it is true, are employed in Washington, but that in no way detracts from the liberalizing influence of associating with them.

LOCATION AND OPPORTUNITIES

The asset of the Summer School, as well as of the University as a whole, that is particularly unique and unrivaled is its location in the city of Washington, the nation's capital. Here are found the headquarters of the executive, legislative, and judicial branches of the national government, all of which may be visited freely and without cost. Indeed, in order to promote research and the diffusion of knowledge the Congress of the United States has made the scientific resources of the Government accessible to students by means of a joint resolution approved April 12, 1892. This resolution makes special mention of:

- 1. The Library of Congress.
- 2. The National Museum.
- 3. The Patent Office.

SEAL HER

- 4. The Bureau of Education.
- 5. The Bureau of Ethnology.
- 6. The Army Medical Museum.
- 7. The Department of Agriculture.
- 8. The Fish Commission.
- 9. The Botanic Gardens.
- 10. The Coast and Geodetic Survey.
- 11. The Geological Survey.
- 12. The Naval Observatory.

When to these resources of the Government are added the libraries, museums, art galleries, and historic landmarks found in the city and vicinity we have an opportunity for culture and an environment for a Summer School that approximates the ideal.

ADMISSION

No entrance examinations or certificates of work completed in secondary schools will be required for admission to the Summer School, but no student will be allowed to register for any except an elementary course until he has given evidence satisfactory to the instructor concerned or to the Director that he is qualified to pursue the course to advantage.

REGISTRATION

The Director's office, 2023 G Street N. W., will be open to receive registrations from 10-12 a. m. and 4-6 p. m., after June 17. Registration for courses, changes in registration, and the dropping of courses must all be arranged through the Director's office.

CREDIT

The units of credit in semester hours carried by the several courses are indicated both in the schedule of classes on pages 6–8 and in the descriptive outlines of the course on pages 8–14. A semester-hour of work covers a minimum of fifteen class or laboratory periods.

Work satisfactorily completed in the Summer School will be accredited toward a degree at George Washington University on the same basis as work completed during the regular session.

CERTIFICATES

Certificates of attendance and of work satisfactorily completed will be issued on or about September 1.

FEES

Tuition fee per semester-hour\$6.00	
Laboratory fees:	
Chemistry S 2, S 3, and S 7, each\$10.00	
Chemistry S 20, \$15; S 21 20.00	
Home Economics 2.00	
Physics 5.00	
Breakage deposit in chemistry, the amount paid in excess of	
breakage to be returned, S 2, S 3, and S 7 each 10.00	
Courses S 20, \$15; S 21)

PAYMENT OF FEES

All fees are payable at the Treasurer's Office, 2101 G Street by July 3. Students who find it impossible to pay their fees by that date should make special arrangements with the Director when they register. No certificate of attendance or of credit will be issued unless all fees have been paid.

Students who are compelled to withdraw before the end of the session should promptly notify the Director, who will make a fair adjustment of the fees. No separate registration fee is charged, but one dollar of the tuition fee may not be canceled. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

LIBRARY

The University Library, which is found in the first floor of the main building, will be open during the session of the Summer School.

FACULTY

WILLIAM	MILLER COLLIER	, A.M., LL.D	President of the University
WILLIAM	CARL RUEDIGER,	Ph.D	Director of the Summer School

Levi Russell	ALDEN,	A.M Assistant	Professor of History
EDITH ALLEN.	AM		Home Economics

^{*}Except for those George Washington University students who paid \$5.00 per semesterhour during 1919-20.

GERTRUDE	RICHARDSON	RETORIAN	Ph D

Strain Miles

and the state of t
Instructor in Archaeology and History of Art
THOMAS BENJAMIN BROWN, Ph.D Assistant Professor of Physics
WALTER LYNN CHENRY
DE WITT CLINTON CROISSANT, Ph.D Professor of English
EDWARD CULLOM, A.M
WALTER S. DEFFENBAUGH, A.M Specialist in U. S. Bureau of Education
JOHN THOMAS ERWIN
CHARLES EDWARD HILL, Ph.D Professor of Political Science
HARRY GRANT HODGKINS, A.B Assistant Professor of Mathematics
Howard Lincoln Hodgkins, Ph.D.
LIOWARD LINCOLN HODGKINS, Ph.D.

Dean of Columbian College and Professor of English

SCHEDULE OF CLASSES

The two-semester-hour classes coming in the forenoon begin on June 28, and all the others on June 21. The two-semester-hour classes will meet five times a week for six weeks and the three-semester-hour classes five times a week for nine weeks. No classes will be held on Monday, July 5, but classes will meet on Saturday, July 10.

Courses which open with less than eight students may be withdrawn.

	A. M.	Semester-	hour
	7.45-8.40	Credit	s
S45	History of Commerce	3	Professor Kochenderfer
S22b	History of Education	2	Professor Rhoton
SII	Composition	2	Dr. Brigham
S26	American Poetry	2	Professor Wilbur
SXXIII	Philosophy	2	Professor Richardson
	9–10		
SXXI	History of Art	2	Dr. Brigham
S21b	Education	2	Professor Ruediger
SXXX	Shakespeare	2	Professor Wilbur

114	DEPARTMENT	OF APTS	AND	SCIENCES
114	DEPARTMENT	OF ARIS	AND	OCTION CINE

114	DEFARIMENT OF AR		
S6b	Solid Geometry	2	Professor Erwin
	Psychology	2	Professor Richardson
S1	American Treaties	2	Professor Hill
S28	10-11	~	110100001
con		2	Professor Kern
S22	Sociology High School Methods	2	Professor Rhoton
S25	Food and Nutrition	2	Miss Allen
SI S3		2	Professor Richardson
	Logic U. S. Government	2	Professor Hill
Sla	11–12	-	
S23	Social Problems	2	Professor Kern
SXXXI	Educational Measurements	2	Professor Rhoton
SXXIV	European History	2	Professor Kayser
SXI	Household Management	2	Miss Allen
SXI	Governmental Problems	2	Professor Hill
17.4.4	P. M.		
	5.10-6		
SI	Chemistry	6	Professor Swett
S42	World Politics	3	Professor Kochenderfer
S2a	Economics	3	Professor Kern
S26	Elementary Education	2	Mr. Deffenbaugh
S27	Modern Drama	3	Professor Croissant
S3	Geography	2	Dr. Resser
SIVa	German	3	Professor Schmidt
S20b	American History	3	Professor Alden
SVIII	Textiles and Sewing	2	Miss Allen
S4b	Trigonometry	2	Professor H. G. Hodgkins
S9b	Analytic Geometry	3	Professor Erwin
S3b	Physics	3	Professor Brown
S29	International Law	3	Professor Hill
S2b	French (2nd semester)	3	Mr. Lamore
S7	Conversational French	2	Miss Maret
S2a	First-year Spanish	3	Mr. Jones
	5.10-6.50		
S2	Rhetoric	4	Professor Wilbur
	6-6.50		
S20	Business	3	
S33	Commercial Law	2	
S2b	Economics	3	
S31	Journalism	3	
SXXIII		3	
SIa	Library Science	3	
S4a	College Algebra	3	
S9a	Trigonometry	3	
S3a	Physics	3	
S24	Government	3	
S2a	First-year French	3	Mr. Cullom

S2b	Spanish (2nd semester)	3	Mr. Jones
S2	6–7.40 Geology	4	D D
N2	6–10	4	Dr. Resser
S2	Chemistry	4	Professor Swett
S3	Chemistry	4	Professor Swett
S7	Chemistry	4	Professor Swett
	6.50-7.40		
S33	American Literature	3	Professor Croissant
SXIIa	Library Science	3	Professor Schmidt
S4a	Second-year French	3	Mr. Lamore
S4a	Second-year Spanish	3	Mr. Lamore

12000

COURSES OF INSTRUCTION

The letter S, meaning Summer, is prefixed to the numbers of courses to distinguish them from the courses offered during the regular session of the University. Courses corresponding approximately to those offered during the regular session are given corresponding numbers. Courses not so corresponding are assigned Roman numerals. The letters a and b following some of the numbers signify correspondence respectively to first and to second semester work of the regular session.

ART

S XXI. History of Art. An introductory course in the schools of painting and sculpture, from prehistoric to modern times, including especially Egyptian, Greek, Renaissance, intermediate, English, French, and American art.

Illustrated lectures. Visits to the National Gallery, the Library of Congress, and other collections. Special study may be arranged for advanced students. At 9. Two semester-hour credits. Dr. Brigham.

CHEMISTRY

S 1. General Chemistry.—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. 5.10. Six semester-hour credits. Professor Swett.

S 2. Laboratory Practice.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiments. 6-10. Four semester-hour credits. Professor Swett.

(Note: Courses S 1 and S 2 should be taken together. Courses S 20, Qualitative Analysis, six semester-hour credits, S 21, Quantitative Analysis, eight semester-hour credits, and S 23, Organic Chemistry, four semester-hour credits, will be given if demanded.)

S 3. Synthetic Inorganic Chemistry.—Syntheses of inorganic compounds. 6-10. Four semester-hour credits. Professor Swett.

S 7. Qualitative Analysis.—A brief course intended primarily for students in engineering. 6-10. Four semester-hour credits. Professor Swett.

COMMERCE

S 20. Principles of Business.—An introductory course in Business Economics. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. At 6. Three semester-hour credits. Professor Kochenderfer.

S 33a. Commercial Law.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers. At 6. Two semter-hour credits. Assistant Professor ALDEN.

S 42. European Industrial Evolution and World Politics.—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion and commercial policies, the development of industry, and transportation. At 5.10. Three semester-hour credits. Professor Kochenderfer.

S 45. History of Commerce.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. At 7.45 a. m. Three semester-hour credits. Professor Kochenderfer.

ECONOMICS AND SOCIOLOGY

S 2a. General Economics.—This course deals with the problems of the distribution of wealth and such questions as value, prices, wages, rent, and interest. At 5.10. Three semester-hour credits. Professor Kern.

S 2b. General Economics.—This course deals with the organization of the industrial system and embraces an analysis of marketing, efficient methods of production, and money and banking. A discussion of such modern programs as the trust movement, government ownership, and the like is included. At 6. Three semester-hour credits. Professor Kern.

(Courses S 2a and S 2b may be taken concurrently.)

S 22. General Sociology.—An outline course in the principles of sociology devoted mainly to the study of the organization of society, the social systems, their functions, efficiencies, and programs for their development. At 10. Two semester-hour credits. Professor Kern.

S 23. Modern Social Problems.—A further analysis of modern social conditions with special studies of current questions in sociology. At 11. Two semester-hour credits. Professor Kern.

(Courses S 22 and S 23 may be taken concurrently.)

EDUCATION

S 21b. Principles of Education.—A study of education from the sociological standpoint: The biological and psychological bases, the problem of aim, social and personal objectives, the curriculum and course of study. At 9. Two-semester hour credits. Professor Ruediger.

S 22b. History of Education.—A survey of the evolution of educational theory and practice in modern times. The course is professional and cultural and aims to give teachers and social workers an intelligent historical background for their work. At 7.45 a.m. Two semester-hour credits. Professor Rhoton.

S 25b. High School Methods.—A study of the principles involved in high school instruction, with special references to the junior high school. At 10. Two semester-hour credits. Professor Rhoton.

S 26. Elementary School Problems.—A practical course for elementary school teachers and supervisors. Among the problems considered are: school discipline, classroom organization, methods of teaching. Text, collateral reading, and discussion. Much use is made of the chapters on Instruction in school survey reports. At 5.10. Two semester-hour credits. Mr. Deffenbaugh.

S XXXI. Educational Measurements.—A study of the various objective tests and scales used in measuring school products with practice in their use. Their relation to teacher improvement and administrative problems is noted. At 11. Two-semester hour credits. Professor Rhoton.

ENGLISH

S 2. English Rhetoric.—A course covering the entire text of English Rhetoric. 5.10-6.50. Four semester-hour credits. Professor Wilbur.

SII. English Composition.—Practice in self-expression; correction of common errors; facility in writing; methods of research; the short story. Theme work, class discussion, and lectures. Special help for personal needs. At 7.45 a.m. Two semester-hour credits. Dr. Brigham.

Note: The completion of courses S 2 and S II together will be accepted in full satisfaction of the curriculum requirement in Freshman English.

S XI. Public Speaking.—At 12. Two semester-hour credits. Mrs. Renshaw.

S 26. American Poetry.—Studies of American ideals as revealed in poetry. At 7.45 a. m. Two semester-hour credits. Professor WILBUR.

S 27. The Modern Drama.—A study of recent American, English, and European plays. At 5.10. Three semester-hour credits. Professor Croissant.

S XXX. Shakespeare.—The philosophies. Troilus and Cressida, Measure for Measure, Pericles, Cymbeline, The Tempest, A Winter's Tale. At 9. Two semester-hour credits. Professor Wilbur.

S 31. Journalism.—A study of the American newspaper. Lectures, and reports on daily newspapers. At 6. Three semester-hour credits. Professor Croissant.

S 33. American Literature.—Lectures and collateral reading. At 6.50.

Three semester-hour credits. Professor Croissant.

FRENCH

See Romance Languages

GEOLOGY

S 2. Geology.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's Geology. 6.00–7.40. Four semester-hour credits. Dr. Resser.

S 3. Principles of Geography.—The course considers the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It includes a study of the general geographical principles, including those of physiography and climate, and their application. At 5.10. Two semester-hour credits. Dr. Resser.

GERMAN

SIVa. Conversation and Rapid Reading.—This course is open to students who have had one year of college German or its equivalent. Three semester-hour credits. At 5.10. Professor SCHMIDT.

SIVb A continuation course extending beyond the regular session of the Summer School.—Three semester-hour credits. Professor Schmidt.

HISTORY

S 20b. American History.—History of the United States from the election of Andrew Jackson. At 5. Three semester-hour credits. Assistant Professor ALDEN.

SXXIII. The Renaissance.—A study of the beginnings of the Modern Period with emphasis on evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. At 6. Three semester-hour credits. Assistant Professor KAYSER.

SXXIV. The European Background of American History.—This course is designed especially for teachers and embraces a study of those factors in Old World History that brought about and shaped the development of the colonies and later affected them as a nation. At 11. Two semester-hour credits. Assistant Professor Kayser.

HOME ECONOMICS

SI. Food and Nutrition.—A study of the composition of food, the principles of cookery, nutritive values of foods and menu planning. Text, lectures, and laboratory work. At 10. Two semester-hour credits. Miss ALLEN.

SVIII. Textiles and Sewing.—The study of fibers and fabrics, sewing and elementary design. Lectures, discussion, and laboratory practice. At 5.10. Two semester-hour credits. Miss Allen.

S XI. Household Management.—A study of division of income, factors affecting cost of living, the equipment and organization of the household. Text, lectures, and recitations. At 11. Two semester-hour credits. Miss ALLEN.

LIBRARY SCIENCE

S Ia. Principles of Library Science.—This course is designed to cover the general principles of library science with special emphasis on the elements of cataloguing. Three semester-hour credits. At 6. Professor Schmidt.

S Ib. A continuation course extending beyond the regular session of the Summer School will be offered in cataloguing, the elementary principles of classification, and shelf listing. Three semester-hour credits. Professor Schmidt.

S XIIa. Advanced Cataloguing and Classification.—This course is open to students who have had courses S Ia and S Ib, or their equivalent in practical library work. Three semester-hour credits. At 6.50. Professor SCHMIDT.

SXIIb. A continuation course extending beyond the regular session of the Summer School will be offered in special problems in library administration and science. Three semester-hour credits. Professor SCHMIDT.

MATHEMATICS

S 4a. College Algebra.—Bowser's College Algebra. Ratio and proportion. Chapter XVI to the end of the book. At 6. Three semester-hour credits. Assistant Professor Hodgkins.

S 4b. Plane Trigonometry.—Crocket's Trigonometry. All of plane trigonometry. At 5.10. Two semester-hour credits. Assistant Professor Hodgkins.

Note. These courses will be duplicated respectively at 9 and at 10 by Professor Hodgkins if the demand justifies.

S 6b. Solid Geometry.—This course corresponds to courses 3 and 6 of the regular school year. Two semester-hour credits. At 9. Professor ERWIN.

S 9a. Plane and Spherical Trigonometry.—This course is offered primarily for students who have had Plane Trigonometry. Three semester-hour credits. At 6. Professor Erwin.

S 9b. Analytic Geometry.—This course is offered to students who have had Plane and Spherical Trigonometry. Three semester-hour credits. At 5.10. Professor Erwin.

PHILOSOPHY AND PSYCHOLOGY

S 1. General Psychology.—An introductory study of the principal facts and laws of the mental life. At 9. Two semester-hour credits. Professor Richardson.

S 3. Logic.—The principles of deductive and inductive inference. At 10. Two semester-hour credits. Professor Richardson.

S XXIII. Introduction to Philosophy.—A course designed for beginners in philosophy, dealing with the nature of philosophy, the principles underlying it, and the principal theories that have arisen in the development of philosophic thought. This course is intended to give a general survey of the subject and to lead to more advanced work. At 7.45 a. m. Two semester-hour credits. Professor RICHARDSON.

PHYSICS

(Note: Physics S 3a and S 3b will be arranged so that, by special permission, they may both be taken during the same term. Either S 2a or S 2b may be taken in one summer term, but not both.)

S 2a and S 2b. Laboratory Physics.—The schedules of experiments are arranged to parallel courses S 3a and S 3b respectively, but different schedules may be arranged in special cases. Two semester-hour credits for either course. Hours by arrangement. Assistant Professor Brown, and Mr. Cheney.

S 3a. Introductory General Physics.—Mechanics, Heat, and Electrostatics. At 11. Three semester-hour credits. Assistant Professor Brown.

S 3b. Introductory General Physics.—Magnetism and Electricity, Sound, and Light. At 5.10. Three semester-hour credits. Assistant Professor Brown.

POLITICAL SCIENCE

S 1a. Government of the United States.—An introductory course. At 10. Two semester-hour credits. Professor Hill.

S XI. Current Governmental Problems.—At 11. Two semester-hour credits. Professor Hill.

S 24. American Government.—Advanced course. At 6. Three semester-hour credits, Professor Hill.

S 28. Leading American Treaties.—At 9. Two semester-hour credits. Professor Hill.

S 29. International Law.—At 5. Three semester-hour credits. Professor Hill.

ROMANCE LANGUAGES

French

S 2a. First-Year Course.—Essentials of French grammar, drill in pronunciation; oral and written composition; translation of modern French prose. For beginners. Fraser and Squair's French Grammar (Heath). At 6. Three semester-hour credits. Mr. Cullom.

S 2b. First-Year Course.—(Second Semester.)—Open to students who have had one year of high school French or one semester of college French. At 5.10. Three semester-hour credits. Mr. LAMORE.

S 4a. Second-Year Course.—Review of French Grammar Fraser and Squair's French Grammar (Heath); oral and written composition; translation of modern French prose. First text, Sarcey's Le Siege de Paris (Heath); others to be announced. Open to students who have received credit for one year of college French, or its equivalent. At 6.50. Three semester-hour credits. Mr. Cullom.

S 7. Conversation and Composition.—Open to students who have had one year of college French or its equivalent. At 5.10 Two semester-hour credits. Miss Maret.

Spanish.

S 2a. First-Year Course.—Elements of Spanish Grammar; drill in pronunciation; oral and written composition; translation of modern Spanish prose. Texts: Hills and Ford's First Spanish Course (Heath); De Vitis' Spanish Reader (Allyn & Bacon). At 5.10. Three semester-hour credits. Mr. Jones.

S 2b. First-Year Course.—(Second Semester.)—Open to students who have had one year of high school Spanish or one semester of college Spanish. At 6. Three semester-hour credits. Mr. JONES.

S 4a. Second-Year Course.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. At 6.50. Three semester-hour credits. Mr. LAMORE.

THE MEDICAL SCHOOL, UNIVERSITY HOSPITAL AND DISPENSARY, AND THE TRAINING SCHOOL FOR NURSES AND THE DENTAL SCHOOL

MEDICAL SCHOOL

FACULTY

WILLIAM MILLER COLLIER, A. M., I.L. D., President of the University WILLIAM CLINE BORDEN, M. D.,

Dean, Department of Medicine and Professor of Surgery

D KERFOOT SHUTE, A.M., M.D.,

Clinical Professor of Opthalmology, Emeritus
Henry Crécy Yarrow, M. D.,Professor of Dermatology, Emeritus
William K. Butler, A. M., M. D., Professor of Opthalmology, Emeritus
George Nicholas Acker, A. M., M. D.,

Professor of Psychiatry and Clinical Professor of Neurology Shepherd Ivory Franz, Ph. D., LL. D., M. D., ... Professor of Physiology Oscar Benwood Hunter, A. M., M. D.,

Professor of Bacteriology and Pathology and Assistant Dean.
Buckner Magill Randolph, M. D.,

Professor of Maleria Medica and Therapeutics
LUTHER HALSEY REICHELDERFER, M. D., ... Clinical Professor of Surgery
WM. H. MONCRIEF, M. D., ... Professor of Military Surgery and Sanitation
GIDEON BROWN MILLER, S. B., M. D., ... Clinical Professor of Gynecology
WILLIAM SINCLAIR BOWEN, M. D., ... Clinical Professor of Obstetrics
OSCAR ADDISON MACK MCKIMMIE, M. D.,

Clinical Professor of Laryngology and Otology
Edward Rhodes Stitt, A. B., M. D.... Professor of Tropical Medicine
Frank Leech, M. D.... Clinical Professor of Medicine
Hubon Willis Lawson, S. M., M. D... Professor of Obstetrics
Frank Adelbert Hornaday, S. B., M. D., Professor of Dietetics
Thomas Charles Martin, M. D... Professor of Proctology

31 1111

HARRY HYLAND KERR, M. D	Clinical	Professor of Surgery
WILLIAM PINKNEY REEVES, M. D.	Clinical	Professor of Surgery
EDGAR SNOWDEN, M.D.,		

Albert Perkins Tibbets, A. B., M. D., Clinical Instructor in Larnygology
Chnical Instructor to Dairtygoogs
HARRY SAMUEL LEWIS, M. D
WILLIAM BERRY MARBURY, M. D Instructor in Surgery
C. SERVEY HADDISON GREENE, M. D.
Clinical Instructor in Laryngology and Cloudy
Warren Littlepage M. D Clinical Instructor in Medicine
Warrant David Tewkeshery, M. D Clinical Instructor In Medicine
Instructor in Orthopeaic Surgery
HOWARD FRANCIS KANE, A.B., M. D
CARROLL EDWARD BINGHAM, M. D Clinical Instructor in Medicine
SAMUEL BOYCE POLE, M. D Instructor in Laryngology and Otology
NELSON DUVAL BRECHT, M. D Instructor in Gynecology
RALPH COHEN, M. D
WILLIAM BINFORD KING
MARY O'MALLEY, M. D., Clinical Instructor in Psychiatry and Neurology
CHARLES O. KNOTT, M. D
GEORGE G. MORRIS, M. D
GEORGE G. MORRIS, M. D
GEORGE H. RAWSON, M. D
CHARLES D. EASTON, M. D
EARL GRIFFITH BREEDING, A. B., M. S., M. D., Instructor in Laryngology and Otology
CYRUS W. CULVER, M. D
HEDDERT H SCHOENFELD M D
ROBERT S REALE M D Clinical Instructor in Medicine
ATIGNOTUS C. GRAY M. D
Lyle M Mason M. D Clinical Instructor in Medicine
GEORGE N ACKER 2d M D
JOSEPH D STOUT, Am. D
Frederick C. Schreiber, M. D Instructor in Laryngology and Chology
HENRY L. HAYES, M. D Instructor in Neurology

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

HOSPITAL

STERLING RUFFIN, M. D	Physician-in-Chief
BUCKNER MAGILL RANDOLPH, M. D	. Associate Physician
Coursen Baxter Conklin, M. D	Associate Physician
WILLIAM CLINE BORDEN, M. D	Surgeon-in-Chief
CAHRLES STANLEY WHITE, M. D	Associate Surgeon
DANIEL LERAY BORDEN, M. D	Associate Surgeon

TO ONLY

GEORGE NICHOLAS ACKER, M. D
Custis Lee Hall. M. D Orthopedic Surgeon
FRANCIS RANDALL HAGNER, M. D Genito-Urinary Surgeon
HOMER GIFFORD FULLER, M. D Associate Genito-Urinary Surgeon
ADAM KEMBLE, M. D Associate Genito-Urinary Surgeon
JOHN WESLEY BOVÉE, M. D
HURON WILLIS LAWSON, M. D Obstetrician-in-Chief
EDGAR PASQUAL COPELAND, M. D Associate Pediatrician
RANDOLPH BRYAN CARMICHAEL Dermatologist-in-Chief
CHARLES AUGUSTUS SIMPSON, M. D Associate Dermatologist
CHARLES WILLIAMSON RICHARDSON, M. D Laryngologist
WILLIAM THORNWALL DAVIS, M. D Opthalmologist-in-Chief
EDWARD GRANT SEIBERT, M. D. Associate Laryngologist and Opthalmologist
ARTHUR C. CHRISTIE. M. D
THOMAS A. GROOVER, M. D
EDWIN A. MERRITT, M. D
OSCAR BENWOOD HUNTER, M. D
Tomas Cajigas, M. D Director of the Clinical Laboratory
BOYCE RICHARDSON BOLTON, M. D Resident Physician
WILLIAM MARSHALL BLAND, M. D
Kang-Li, M. D
HENRY W. B. STIBBS, M. D
OLIVE B. SWEET, R. N Superintendent of Nurses and Principal of the
Training School for Nurses
JOHN BRUCE COPPINGSuperintendent
DISPENSARY
STERLING RUFFIN, M. D
WILLIAM CLINE BORDEN, M. D
JOHN WESLEY BOVEÉ, M. D
HUPON WILLIAM M D Obstetrician-in-Chief
ALBERT ELWOOD PAGAN, M. D Director of the Dispensary
THE BILL THE WOOD I AGAIN, SIZ. D. T.
General Medicine
BUCKNER MAGILL RANDOLPH, M. D Attending Physician
WILLIAM CABELL MOORE, M. D
WILLIAM JOHNSTON MALLORY, M. D
ROBERT S. TRIMBLE, M. D
THOMAS LINVILLE, M. D
FRANK A. HORNADAY, M. D
RALPH COHEN, M. D
LYLE MILLAN MASON, M. D
GEORGE NICHOLAS ACKER, 2d, M. D

General Surgery

TRUMAN ABBE, M. D	Attending	Surgeon
JOHN POTTS FILLERBROWN, M. D	Attending	Surgeon
GEORGE HENRY RAWSON, M. D	Attending	Surgeon
Cyrus W. Culver, M. D	Attending	Surgeon

Genito-Urinary Diseases

FRANCIS RANDALL	HAGNER,	M.	D	 	Genito-Urinary	Surgeon
ADAM KEMBLE, M.						
CHARLES O. KNOT						

Gynecology

DANIEL LERAY BORDEN,	M.	D Attending Gynecologist
ALBERT ELWOOD PAGAN,	M.	D Attending Gynecologist
HOWARD FRANCIS KANE,	M.	D Attending Gynecologist

Obstetrics

HURON WILLIS LAWSON,	M. D	Obstetrician-in-Chief
CYRUS W. CULVER, M.	D Attending	Obstetrician, Out-Patient Service

Eye, Ear, Throat and Nose

WILLIAM T. DAVIS, M. D Optha	lmologist
EDWARD GRANT SEIBERT, M. D Laryngologist and Optha	lmologist
Albert Perkins Tibbets, M. D Attending Laryngologist and	Otologist
SAMUEL BOYCE POLE, M. D Attending Laryngologist and	Otologist
EARL GRIFFITH BREEDING, M. D Attending Laryngologist and	Otologist

Pediatrics

Courson Baxter Conklin,	M.	. D	Attending	Pediatrician
JOHN CARL ECKHART, M. D.			. Attending	Pediatrician

Neurology

JOHN EDWARD LIND,	M.	DAttending	Neurologist
		Attending	

Roentengology

ARTHUR C. CI	IRISTIE, M.	D	 		 	 				. Roentgenologist-in-Chief
THOMAS A. GI	ROOVER, M.	D	 0 0	0 0	 	 0 0	0 0	0 0	0 0	Roentgenologist

Dermatology

CHARLES AUGUSTUS SIMPSON,	M.	D Attendin	a Dermatologist
GEORGE HENRY RAWSON, M.	D.	Attendin	Dermatologist

Pathology

OSCAR BENWOOD	Hunter	M	D	Pathologist
OSCAR DEVAROOD	ALUNIES,	TAR O		- directory

Laboratory

TOMAS MOREAU CAJIGAS	8. M.	D	Director
----------------------	-------	---	----------

Medical Building

WILLIAM BINFORD KING		Librarian
ANNA ELIZABETH SELLNER	Secretary t	o the Dean
Elmer Schatz	Superintendent of th	e Building

HISTORICAL

The Medical School of the George Washington University, in chronological order of establishment, is the eleventh Medical School in the United States. The first course of lectures began in March 1825. For many years the school was known as the National Medical College; subsequently as the Department of Medicine of the Columbian University. By virtue of an act of Congress approved January 23, 1904, the Columbian University changed its name to "The George Washington University."

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the Medical School. In 1902 the old Medical School Building, in which the exercises had been held since 1867, gave place to the present large and commodious structure.

EDUCATIONAL POSITION

The Medical School of the University has for several years been a member of the Association of American Medical Colleges. It is one of the medical colleges designated as "Class A," by the American Medical Association, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

The degree of M. D. given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate work in those States which require hospital internship, will admit a graduate of our Medical School to all state examinations.

The alumni of this school are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them. These facts guarantee the character of the work done by the School and insure its students and graduates all the advantages which accrue from such association and recognition.

BUILDINGS AND OTHER FACILITIES

All the buildings adjoin each other and consist of the Medical School Building, the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

Medical School Building.—A modern, commodious, five-story structure with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and student's rooms. It has an elevator service, and is equipped with steam heat, gas, electricity, and all modern improvements.

Laboratories.—Five in number (for anatomy, physiological and clinical chemistry, histology and embryology, physiology and pharmacology and bacteriology and pathology) are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and research methods.

Medical Library.—Open for study and consultation from 9 a.m to 4 p.m. with a librarian in charge. It contains at present more than 2000 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received. The library is an excellent working collection, as it affords opportunity to read up adequately on the subjects presented in the courses.

Pathological Museum.—Contains a great many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

ADVANTAGE OF LOCATION FOR THE STUDY OF MEDICINE

The city of Washington now has nearly a half million inhabitants, providing abundant clinical material to the hospitals, which have an aggregate of about four thousand beds. In these hospitals clinical instruction, in addition to that in the University Hospital, is given by members of the faculty.

The great libraries and museums connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's office of the United States Army is the most complete medical library in the world, and all leading medical periodicals of the world are subscribed for. All the facilities of this great library are open to medical students. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various government offices, all of which are open to students.

The Army Medical Museum affords an unrivalled opportunity for studying the conditions met with in military and general surgery. It has on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. Other Government museums are the Museum of Hygiene, in connection with the Medical Department of the Navy and the National Museum. The Botanic Gardens, the Smithsonian Institution, the Fish Commission, and the Department of Agriculture, all afford opportunities for study both in medicine and its collateral sciences.

On account of the many medical facilities of this city, the Army and Navy Medical Schools with the large Army and Navy General Hospitals

have been located here.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is seat of the General Government, are broad and national, make it an ideal place for a medical student to pass his four years of study.

ADMISSION

The requirements for admission to the Medical Schools are as follows: Candidates for matriculation must present creditable certificates of good moral character from two physicians in good standing.

The educational requirements for admission are:

A. The minimum requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

Subjects	Units*	Required
Group I, English— Literature and composition	3-4	3
Group II, Foreign Languages— Latin	1-3	2.†
Group III, Mathematics— Elementary algebra Advanced algebra Plane geometry Solid geometry Trigonometry	1	1

Subjects	$Units^*$	Required
Group IV, History— Ancient history Medieval and modern history English history American history Civil government	3-1 3-1 3-1	1
Group V, Science— Botany Zoology Chemistry Physics Physiography Physiology Astronomy Geology	½-1 1 ½-1 ½-1	
Group VI, Miscellaneous— Agriculture. Bookkeeping. Business law. Commerical geography. Domestic science. Drawing, freehand and mechanical. Economics and economic history. Manual training. Music: Appreciation and harmony.	1-1 1-2 1-2 1-2 1-1 1-2	

A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

COLLEGE WORK

	SEMESTER HOURS REQUIRED:
Chemistry	. 12
Physics	. 8
Biology	. 8
English	. 6
Electives	. 26

[†] Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the language specified.

Chemistry.—Of the twelve semester hours required, eight hours must be made up of general inorganic chemistry (including four semester hours of laboratory work). Qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours may consist of additional work in general chemistry or of work in analytic or organic chemistry. After January 1, 1922, the four semester hours must consist of organic chemistry.

Physics.—The eight semester hours required must include at least two semester hours in laboratory work. It is urged that this course be preceded by a course in trigonometry.

Biology.—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology or by a course of four semester hours each in zoology and botany, but not by botany alone.

English Composition and Literature.—The usual introductory college course of six semester hours, or its equivalent, is required.

Electives.—It is recommended that the twenty-six semester hours required include a modern foreign language, comparative vertebrate anatomy, social science and psychology.

A semester hour is the credit value of one-half year's work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net; at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period; and the year to be not less than thirty-three weeks of actual work.

B. A. Bachelor's degree from an approved college or University, provided the holder of such degree presents satisfactory credentials, covering college work in chemistry, physics, biology and English as outlined in the preceding paragraphs.

An examination is given by the University in the latter part of May and September of each year to students who are deficient in whole or part of the subjects required for entrance to the Premedical Course. Candidates desiring examination must submit an application for the examination before the first of the month in which they desire to be examined.

Certificates from reputable instructors recognized by the State Board of Medical Examiners duly authorized by law or by the Superintendent of public instruction in States having no examining board may be accepted in lieu of any part of the examination.

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states and candidates are advised that if they meet the premedical and other requirements of this school they will be able to comply with these legal demands of all State Examining Boards in the United States. Any standard lower than that of this institution will not meet the requirements of all the states in the Union.

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

Courses are offered by the University to meet the requirement in two years of college work necessary to enter the freshman class of Medicine.

First Year

	SEMESTER
Chemistry 1 and 2	10
Zoology 1	6
English 1 or 2	6
Electives (including preferably French or German)	8
Total	30

Second Year

	SEMESTER
	HOURS
Physics 3 and 2	. 10
Zoology 2	. 6
Chemistry 8 or 23	. 4
Electives (preferably Psychology, Mathematics and Chemis	j-
try 7)	
	mi me
Total	. 30

Courses and Degrees offered by the University in addition to or in continuation with the course for the degree of Doctor of Medicine.

The University offers a six-year combination course, by which a student may obtain the degree of Bachelor of Science in Medicine and Doctor of Medicine and a seven-years course for the degrees of Bachelor of Arts and Doctor of Medicine.

ADMISSION TO COLUMBIAN COLLEGE

Applicants for admission to the Freshman Class in Columbian College for the combined courses leading to the degrees of Bachelor of Arts or Bachelor of Science in Medicine and Doctor of Medicine must meet the general admission requirements of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. The fifteen units of the entrance requirements must include English, 3 units; Mathematics, 24 units, and one of the following languages: Latin, Greek, French, German, or Spanish 2 units. The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

SIX YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the combined six-year course is as follows:

a. Columbian College

Freshman Year

	5	EMESTER
		HOURS
Chemistry 1 and 2		10
English 1 or 2.		6
French or German		6
Mathematics./		
Zoology 1		6
		-
Total		34

Sophomore Year

	STEP
нос	RS
Chemistry 7 and 8 or 23	
French or German 6	
Philosophy including Psychology 6	
Physics 3 and 2 10	
Zoology 2	
Total	

b. Medical School

The four-year course for the degree of Doctor of Medicine.

SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Regular students in this course will complete at least 90 semester-hours as prescribed in Columbian College and the first year course in the Medical School. On completion of the prescribed 90 semester hours of college work and the first year of the regular course in Medicine, the student will receive the degree of Bachelor of Arts.

The hours of prescribed work, at least 12 semester hours of which must be taken in Columbian College, are as follows:

Columbian College:

	SEMESTER
SUBJECT	HOURS
Zoology, 1, 2	. 12
Chemistry 1, 2, 7 and 8 or 23	. 18
English	
French and German	. 18
History	. 6
Mathematics	
Physics 3 and 2	. 10
Philosophy	
Electives (including not to exceed 30 semester-hours in Med	
cine)	38
	_
Total	120

ADMISSION OF STUDENTS FROM OTHER SCHOOLS

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an Arts course in other accredited colleges or universities may be admitted to advanced standing in any of the premedical courses offered by the University upon examination or upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

Students, approved by the Dean, not candidates for the degree of Doctor of Medicine, may be admitted as special students to any of the courses, provided they have the educational attainments which will enable them to pursue properly the studies they elect.

ACADEMIC YEAR

The Academic Year begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study for the degree of Doctor of Medicine consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the ninety-eighth, begins September 29, 1920, and ends June 8, 1921.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, bedside instruction, and hospital and dispensary clinics. Particular stress

is laid upon laboratory work and clinical teaching. The clinical material of the University Hospital and Dispensary is utilized to the fullest extent, as the Hospital, the Dispensary, and the Medical School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in medicine. These lectures are followed by systematic and thorough quizzes, so that it may be certain that the students properly and thoroughly grasp the ideas presented by the lecturers.

The recitation and quiz work is made so complete that students do not need to employ private quizmasters.

The object sought throughout the courses is to ground thoroughly the students in the knowledge which is necessary to a practitioner of medicine. No particular attempt is made to graduate specialists in any subject. It is believed that the four years allowed for medical study are no more than sufficient time for the adequate preparation of the general practitioner.

The policy adopted by the School is to give a comprehensive, well graded and well-proportioned course—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Medical Examining Boards.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in italics:

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy. Histology. Embryology. Physiology. Chemistry. Ethics.	Anatomy. Physiological Chemistry. Pathology. Bacteriology. Materia Medica. Pharmacology. Minor Surgery. Physical Diagnosis. Pathological Physiology. Hygiene. Psychology.	Medicine. Surgery. Fractures and Dislocations. Clinical Microscopy, Obstetrics. Therapeutics. Roentgenology. Radiotherapy. Gynecology. Medical Jurisprudence. Clinical Chemistry. Dietetics. Tropical Medicine. Clinics.	Medicine. Surgery. Orthopædics Genito-Urinary Diseases. Operative Surgery. Military Surgery and Sanitation. Obstetrics. Gynecology. Laryngology and Otology. Ophthalmology Dermatology. Psychiatry. Pediatrics. Neurology. Ethics. Clinics.

The clinics above listed comprise the medical, surgical, and other clinics given in the third and fourth years, and are as hereafter noted under the announcements of the different clinical subjects.

OUTLINE OF CURRICULUM HOURS OF REQUIRED WORK IN EACH SUBJECT

(On the basis of 32 actual weeks in each year)

SUBJECT		tals*† Dic, Lab.	oidac- and	no	actic t to ceed
Anatomy	I	440		90	
Anatomy		210		30	
			650		120
Histology and Embryology	. I	267		60	
-			267	-	60
Chemistry		308		90	
Chemistry	II	100		30	100
Th			408		120
Physiology		184		72 32	
Physiology	11	68	252		104
Psychology	II	32	202	32	104
1 Sychology	11		32	02	32
Bacteriology	П	140	02	30	02
Pathology		282		60	
			408	_	90
Hygiene	II	32		32	
, 8		-	32	-	32
Dietetics	III	24		24	
			24		24
Pharmacology	II	160		28	
Materia Medica	II	48		48	
			208	-	76
Therapeutics	III	64		64	
Radiotherapy	III	8		8	
		***	72	-	72
Gynecology	III and			48	
73		TV 100	144		48
Obstetries	III and		200	64	C.A
		Married States	192	-	64

^{*}The number of hours represents the amount of time each student devotes to the course. In addition to the hours scheduled in the third and fourth years, each student is required to do satisfactorily considerable practical work; he is assigned to cases in hospitals, is required to assist at operations, to attend cases of labor, administer anaestheties, attend autopaies, and to take the history of cases. Fully 120 hours annually are required to do this unscheduled work.

I Subject to variation.

	,		
	HOURS (continued)		
•	Totals Didac-	20100000	
	tic, Lab. and	not to	
SUBJECT YEARS	Clinical	exceed	
MedicineII, III, IV			
General Medicine	606	200	
Clinical Microscopy	48	16	
Physical Diagnosis	80	40	
Tropical Diseases	12	12	
Dermatology	48	12	
Pediatrics	120	18	
Neurology	64	24	
Psychiatry	42	12	
Medical Jurisprudence	30	30	
Clinical Chemistry	48	12	
	1098	- 376	
Surgery II, III, IV	7		
General Surgery	540	144	
Minor Surgery	40	20	
Radiography	16	0	
Fractures, etc	16	16	
Military Surgery and Sanitation	16	16	
Ophthalmology	64	16	
Otology and Laryngology	60	24	
Genito-Urinary Surgery	48	16	
Orthopedics	48	16	
	848	268	
Grand totals	4649	1486	

ANATOMY

George B. Jenkins, M. D
JOHN KONSTANTIN BUTKIEWICZ, D. D. S Professor of Histology
WILLIAM BINFORD KING
GEORGE HENRY RAWSON, M. D

The instruction in the various anatomical sciences—gross human anatomy, neurology, embryology and histology—is carried on by the Division of Anatomy of which the Professor of Anatomy is the head.

This insures complete correlation of the various anatomical branches and adequate instruction in each.

During the first year the course in Gross Anatomy is given mainly by practical laboratory work,

The greater portion of the course is given during the first year, thus enabling the student to apply his early knowledge of Anatomy to his other

branches of study. Each student is required to dissect satisfactorily the lateral half of a cadaver. The dissecting room work is supplemented by demonstration, recitation and lectures illustrated by lantern slides, models, diagrams and special dissections. The systematic study of the gross and minute anatomy of the central nervous system and organs of special sense is pursued by means of lectures, recitations, and laboratory work.

In the second year a course in applied anatomy is given, in which recitations and laboratory demonstrations, and special dissections are used to familiarize the student thoroughly with the subjects.

Throughout the course every opportunity is taken to emphasize the application of anatomy to the practice of medicine in all its departments.

		HOURS	
		Totals	Didactic
		Didactic	not to
SUBJECT	YEARS	and Lab.	exceed
Anatomy	I	440	90
Anatomy	II	210	30
		650	- 120

In Histology instruction is given in the care and use of the microscope and in the preparation of tissues for microscopical examination, and a systematic study is made of the minute structure of the tissues and organs of the body, the laboratory work being supplemented by lectures, recitations and stereopticon demonstrations.

The course in Embryology is devoted to the study of marine material, showing maturation, impregnation, segmentation, etc., and to series of chick and mammalian embryos, special stress being laid upon the development of the foetal membranes and organs. Lectures, recitations and demonstrations with laboratory models are also given.

		HOURS		
		Totals	Didactic	
		Didactic	not to	
SUBJECT	YEAR	and Lab.	exceed	
Histology and Embryology	I	267	60	
		267	60	

PHYSIOLOGY

SHEPHERD IVORY FRANZ, Ph. D., LL. D., M. D	
EUGENE R. WHITMORE, B. S., M. D	Professor
JOSEPH D. STOUT, Ph. D., M. D	

The course in Physiology consists of lectures, recitations, demonstrations, laboratory exercises and conferences during the first and second years. It begins in the second-half of the first year, so that the student is early in his

course in medicine introduced to the functional viewpoint. The functions of the nervous system and special senses, of the blood, of the heart and circulatory system, of glands, of the digestive system, of the respiratory mechanisms, and of reproduction are considered by means of lectures and recitations, and, as far as practicable, experimentally. In the laboratory each student performs the main experiments illustrating the facts regarding bodily function, and demonstration experiments are given to those functions which are too complex for the student to perform himself. In this laboratory work each student is required to keep records of his experiments, and each experiment is supervised and the record criticized and checked by one of the instructors before the student leaves the laboratory for the day. The class is divided into sections for oral recitations, which are supplemented by written recitations.

After the completion of the work in normal physiology, in the second year a series of laboratory exercises on the physiological action of drugs is given (see the announcement under Department of Pharmacology,) and in conjunction with that laboratory work lectures are given and recitations are held in which the functional disturbances in disease are considered. In this course special attention is given to the abnormalities of action of the heart and circulatory system, to the mechanical disturbances in respiration, and to the disturbances of the nervous system and the special senses. By this course it is intended to bring the course in normal physiology into closer relations with the succeeding courses in Pathology, Therapeutics and General Medicine.

The course in Psychology aims to give, by lectures and conferences, the main facts regarding mental processes, and to develop the psychological aspect of medicine, upon which so much emphasis has recently been laid. The course is primarily medical in its treatment and thus deals with pathological as well as normal mental phenomena, but without encroaching upon the courses in Psychiatry and Neurology.

SUBJECT	YEARS	Totals Didactic and Lab.	Didactic not to exceed
Physiology	I	184 68	72 32
Psychology		${32}$	32

CHEMISTRY

RALPH EMERSO:	N MYERS, A. F	3., A. M., M.	. D	Professor
JOSEPH HYRAM	ROE, A. B., A.	. M		Professor

Inorganic Chemistry.—A series of recitations, in which the subject is reviewed and its relation to medicine emphasized.

Organic Chemistry.—A series of lectures, laboratory work, and recitations on the acyclic and cylic hydrocarbons and their derivatives, with special reference to physiology and medicine.

Detection of Common Poisons.—A didactic and laboratory course on the identification of poisons.

Physiological Chemistry.—A series of lectures, recitations and laboratory work on food stuffs, including carbohydrates, proteins and fats, their properties, reactions, digestion, absorption and assimilation. Careful consideration is given to enzymes and to the various secretions of the body.

Clinical Chemistry.—A thorough course is given in which material from the University Hospital and Dispensary is utilized to show the practical application of this subject in medicine.

		HOURS	
SUBJECT	YEARS	Totals Didactic and Lab.	Didactic not to exceed
Chemistry			
Inorganic Review			
Organic }	I	258	90
Detection of Common Poisons			
Physiological	I, II	150	30
		408	- 120
*Clinical Chemistry	III	48	12

^{*} See also announcement under Medicine.

PHARMACOLOGY

RALPH EMERSON	Myers,	A. B 1	M. A., M.	D	Professor
*********				Assistan	at Professor

1. Pharmacology.—Materia Medica and Prescription Writing required of all second year medical students, last 8 weeks of the first semester.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations. Enough pharmacy is introduced to teach the student to use the Pharmacopoea intelligently, and to emphasize the importance of the term "Official Preparation." Much interesting didactic material is furnished for the class conferences, at which time the type preparations made by the class are demonstrated and discussed.

2. Systematic Pharmacology.—Required of all second year medical students. Five hours a week during the second semester.

The subject-matter of this course is essentially that outlined in Cushny's Text-Book of Pharmacology, supplemented by a consideration of those newer and "non-official" remedies that have acquired pharmacological interest. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. Experience has demonstrated that this develops originality in prescription writing based upon a knowledge of pharmacology. The subject of incompatibilities is taught by compounding type prescriptions compiled from the medical literature and by discussion in class conferences.

The last part of the course introduces the student to the method of applying his previous chemical and physiological information by testing for drugs and their derivatives excreted from the body. This lays a foundation for the more technical information relating to the absorption, excretion, and action of drugs in the tissues.

 Pharmacodynamics.—Second semester. Required of all second year medical students. Prerequisite pharmacology 1.

This course runs parallel with pharmacology 2. Being a laboratory course, it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

The laboratory practice begins with simple experiments on absorption, excretion and local action of drugs, followed by experiments upon frogs, turtles and lower mammals. As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced.

Special emphasis is laid upon the student's ability to secure results and to record and analyze his curves and records. Special conferences are held periodically in which the results and the records are discussed and the work of the class as a whole is properly coördinated.

4. Special Pharmacodynamics and Toxicology,—(Credit according to work done.)

This course is open to advance students and special workers who desire training in toxicology and methods of biological assay.

5. Research in Pharmocology and Chemo-Therapy.—The Cooper Research Laboratory of Pharmacology is an endowed laboratory and offers excellent opportunities for advanced scientific work in pharmacology and chemotherapy. This laboratory is equipped with high grade apparatus and chemicals for quantitative work. It provides an excellent shop equipment for the building of special apparatus frequently demanded in problems requiring an original technic. Equally important are the excellent research

reference library facilities. Washington offers a cosmopolitan clinic and for problems of chemo-therapy the University Hospital and Dispensary are in the adjoining building and are at the laboratory's disposal.

MATERIA MEDICA AND THERAPEUTICS

(1) Systematic lectures and recitations on the physiological action of drugs and other remedial agents, their therapeutic use in disease; their modes of administration; and a review of their toxicology. (2) A review of the principles of prescription writing, with practical exercises by students in writing prescriptions in the metric system. (3) Lectures in applied therapeutics, devoted to the study of the application of remedial measures to morbid physiological and pathological states, as they occur clinically.

		HOURS	
		Totals	Didactic
		Didactic	not to
SUBJECT	YEARS	and Lab.	exceed
Pharmacology	II	170	28
Materia Medica and Toxicology	II	48	48
Therapeutics.	III	64	64
Radiotherapy	III	8	8
		290	148

DIETETICS

A course of lectures on the physiology of nutrition and principles of feeding in health and disease.

		HOURS		
		Totals Didactic	Didactic not to	
SUBJECT	YEARS	and Lab.	exceed	
Dietetics	III	24	24	

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A. M., M. D. Professor Nolan Von Charpentier Lewis, M. D.,

BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty formal lectures in which the entire field of bacteriology in-

cluding immunology in its application to human medicine an well are is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about threequarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different nonpathogenic organisms. Subsequently twenty-five to thirty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare a vaccine, and in groups prepare agglutinating, hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of dark ground illumination, and are taught to make microscopic measurements.

During the course where occasion arises in connection with special cases of interest in the University Hospital or elsewhere unusual infections or rarely occurring processes of diagnosis, etc., are demonstrated. The routine bacteriologic and serologic work of the Hospital is done in the same laboratory where the students are working so that they have ample opportunity to observe the practical application of bacteriology.

PATHOLOGY

In Pathology, the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being about twice the corresponding time in Bacteriology. General pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. About two hundred sections are stained and mounted by each student and become his individual property. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

The microscopic study is supplemented by that of post-mortem material and that from the operating room and by specimens in the museum thus affording a knowledge of gross morbid anatomy.

Varying in number with the extent of material afforded, students have the opportunity of training in the details of post-mortem technic from the autopsy through the preparation, sectioning, and staining of the tissues to be studied, to their final diagnosis and report.

CLINICAL MICROSCOPY

In the course in Clinical Microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

	HOURS				
		T	otals	Dida	ctic
		D	idactic	not	to
SUBJECT	YEARS	al	nd Lab.	exce	ed
Bacteriology		П	140	30	
Pathology		II	282	60	
			422	-	90
Clinical Microscopy			48	16	

MEDICINE

STERLING RUFFIN, M. D
GEORGE NICHOLAS ACKER, A. M., M. D Professor of Pediatrics
THOMAS ASH CLAYTOR, M. D Clinical Professor of Medicine
RANDOLPH BRYAN CARMICHAEL, M. D Professor of Dermatology
WILLIAM ALANSON WHITE, M. D.,

Professor of Psychiatry and Clinical Professor of Neurology
EDWARD RHODES STITT, A. B., M. D Professor of Tropical Medicine
GLENMORE F. CLARK, M. D Associate Professor of Tropical Medicine
EDGAR SNOWDEN, M. D
HARRY S. BERNTON, M. D
FRANK LEECH, M. D
Frank Adelbert Hornaday, S. B., M. D.

	Professor of	Dietetics	and Associate	in Medicine
-	1 90	24 77		

"TARRI HAMPION DONNALLY, A. W.,	141. L/19
	Clinical Professor of Pediatrics
EDGAR PASQUAL COPELAND, M. D	Associate in Pediatrics
WILLIAM CABELL MOORE, M. D	Associate in Medicine

Clinical Associate in Psychiatry and Clinical Neurology

MARY O'MALLEY, M. D., ... Clinical Instructor in Psychiatry and Neurology WILLIAM DAVID TEWKSBURY, M. D., ... Clinical Instructor in Medicine CARROL E. BINGMAN, M. D. Clinical Instructor in Medicine ROBERT S. BEALE, M. D. Clinical Instructor in Medicine Lyle M. Muson, M. D. Clinical Instructor in Medicine GEORGE N. ACKER 2nd., M. D. Instructor in Medicine

Instruction in Medicine is so given as to conform to the most modern requirements. The work begins in the second year with a complete course in history-taking and normal physical diagnosis, and is continued through the third and fourth years. During the later two years the course consists of lectures, recitations, a study of case histories, clinical conferences, and practical work in the clinical laboratory and at the bedside. The work is made as practical as possible.

The third-year class is divided into small sections, which are required to attend the daily dispensary service in the University Hospital, where they are drilled especially in history-taking and in the technique of practical physical diagnosis.

The fourth-year class is similarly divided into small sections, and these are required to attend the daily ward clinics in the University Hospital and ward clinics in the Garfield Memorial Hospital, Children's Hospital, and the Tuberculosis Hospital of the District of Columbia.

The system of ward clinics to small groups of students affords a most effective method of studying disease and gives to every student an opportunity of following a large assortment of diseases from their commencement to the termination of their illness; in no other way is it possible to get a more practical knowledge of the methods of studying disease or a more intimate knowledge of disease itself.

Every patient in the medical wards of the University Hospital is assigned to one, or at most two, senior students, who are required (under proper supervision) to take the history, to make and record a complete physical examination, to determine after due study the nature of the illness (diagnosis), to outline a plan of treatment, and to make daily notes of the progress of the case.

A weekly amphitheatre clinic is given to third-year students in a body and a similar clinic to the fourth-year class. A series of special neurological clinics is provided for the senior class at the Saint Elizabeth's Hospital, where there is a great wealth of material (see announcement of Phychiatry and Clinical Neurology)

and Clinical Neurology.)			
		HOUL	RS
		Totals	Didactic
		Didactic	not to
SUBJECT	YEARS	and Lab.	exceed
		Clinical	
Medicine	II, III, I	V	
General Medicine		606	200
*Clinical Microscopy		48	16
†Clinical Chemistry		48	12
Physical Diagnosis		80	40
Tropical Diseases		12	12
Dermatology		48	12
Pediatrics		120	18
Neurology		64	24
Psychiatry		42	12
Medical Jurisprudence		30	30
		1098	- 376

^{*} See also announcement under Bacteriology and Pathology. † See also announcement under Chemistry.

TROPICAL MEDICINE

EDWARD RHODES STITT, A. B., M. D., ... Rear Admiral U. S. N., Professor GLENMORE FORD CLARK, M. D.,

Lieutenant Commander, Medical Corps, U. S. N., Associate Professor.

The course in tropical diseases is similar to that given in the Army and Navy Medical Schools, and consists of didactic lectures, quizzes, and laboratory instruction, with particular reference to the parasitic, protozoal diseases common in the tropics and in the southern part of the United States.

PSYCHIATRY AND CLINICAL NEUROLOGY

WILLIAM ALANSON WHITE, M. D., Superintendent of

A series of lectures and clinics is given upon the subject of the psychoses in its various forms.

These clinics are given at Saint Elizabeth's Hospital which, with its more than three thousand beds, affords one of the largest clinics in this country.

Students are taught in the same classes with students of the Army and Navy Medical Schools.

PEDIATRICS

GEORGE NICHOLAS ACKER, A	A. M., M. D	ofessor
HARRY HAMPTON DONNALLY,	, M. D Clinical Pro	ofessor
EDGAR PASQUAL COPELAND,	M. D	sociate
CHARLES WHEATLEY, M. D		sociale

Didaetic and clinical lectures, bedside and dispensary clinics are given upon diseases of infants and children and the importance of the proper management of these diseases by diet and hygiene.

The children's clinic, at the Children's Hospital, affords ample material for practical teaching in this branch.

PHYSICAL DIAGNOSIS

WILLIAM CABELL MOORE	M. D		Associate
THOMAS LINVILLE, M. D.			Clinical Associate
FRANK ADELBERT HORNA	DAY, S. B., M	M. D	Instructor

Instruction is given in the principles and methods of physical examination by means of recitations, section work or normal subjects, and with clinical cases which typically represent diseased conditions.

DERMATOLOGY

RANDOLPH	BRYAN	CARMICHAE	L. M	. I).		 	0 0				 			 Professor	p
CHARLES A	UGUSTUS	SIMPSON,	M. D)		0	 		0 0	0 0	0 0		0 0	0 0	 A ssociate	8

The lectures in this course will be principally clinical, supplemented by didactic lectures, illustrated by diagrams, models, and photographic illustrations of disease from life.

MEDICAL JURISPRUDENCE

II. non C	DEDAMON	3.E T)	D_{mo}	fessor

This course is designed to familiarize students with the rights and obligations of physicians, both legal and ethical, and to qualify them to apply the facts of medical science to the solution of problems in law.

SURGERY

WILLIAM	CLINE BORDEN,	M. D	Professor
CHARLES	WILLIAMSON RI	HARDSON, M. D.,	

Professor of Laryngology and Otology Aurelius Rives Shands, M. D. Clinical Professor of Orthopedic Surgery Francis Randall Hagner, M. D.

Professor of Genito-Urinary Diseases and Venereal Diseases

LUTHER HALSEY REICHELDERFER, M. D
WM. H. MONCRIEF, M. D.,
Professor of Military Surgery and Sanitation
OSCAR ADDISON MACK McKimmie, M. D.,
Clinical Professor of Laryngology and Otology
THOMAS CHARLES MARTIN, M. D
CURTIS LEE HALL, M. D
HARRY HYLAND KERR, M. D
WILLIAM PINKEY REEVES, M. D
WILLIAM THORNWALL DAVIS, M. D Professor of Ophthalmology
CHARLES STANLEY WHITE, M. D
DANIEL LERAY BORDEN, A. M., M. D Associate Professor
WILLIAM F. SOWERS, M. D
ARTHUR C. CRISTIE
THOMAS A. GROOVER, M. D Associate Professor of Roentgenology
Edward Grant Seibert, M. D.,
Associate in Ophthalmology and Laryngology
EDWIN C. MERRITT, M. D
JOHN POTTS FILLEBROWN, M. D
Adam Kemble, M. D Associate in Genito-Urinary Surgery
HOMER GIFFORD FULLER, M. D.,
Clinical Instructor in Genito-Urinary Surgery
CLINE N. CHIPMAN, M. D
Albert Perkins Tibbets, M. D.,
Clinical Instructor in Laryngology and Otology
HARRY SAMUEL LEWIS, M. D
WILLIAM BERRY MARBURY, M. D
Samuel Boyce Pole, M. D., Clinical Instructor in Laryngology and Otology
Samuel H. Greene, M. D Instructor in Laryngology and Otology
THOMAS M. FOLEY, M. DInstructor in Orthopedic Surgery
George H. Morris, M. D
William G. Young, M. D., Clinical Instructor in Genito-Urinary Surgery
EARL GRIFFITH BREEDING, A. B., M. S., M. D.,
Clinical Instructor in Laryngology and Otology
CHARLES O. KNOTT, M. D., Instructor in Genito-Urinary Surgery
HERBERT H. SCHOENFELD, M. D
AUGUSTUS C. GRAY, M. D
Frederick C. Schreiber, M. D., Instructor in Laryngology and Otology
C. Deinemen, M. D., Than artor in Daryngrooyy and Octoby
The second secon

The principles of surgery are presented in a systematic course of lectures, so that the student may obtain a comprehensive and adequate concept of the science and art of surgery. These lectures are followed by recitations, so that the subject-matter may be thoroughly impressed upon the students. The special divisions of surgery are taught by associates and instructors

who have made specialties of these branches. The clinical material in the University Hospital and Dispensary, being under the control of the Faculty, is directly used throughout the course of illustrate the subjects taught and to familiarize the students with actual clinical conditions.

Surgical technique is taught by instruction in the preparation of materials used in antiseptic and aseptic surgery, the preparation of the patient, and the sterilization of instruments. Practical instruction is given in the Hospital and Dispensary in the application of splints, bandages, and dressings used in the various surgical diseases and injuries. Thorough instruction and practical demonstrations are given in the administration of anaesthetics.

Clinical teaching is carried on in the University Hospital and Dispensary, and in other hospitals of the city to which members of the Faculty are attached. Amphitheatre clinics are given, in which the general practice of surgical diagnosis and operative technique and therapeutic procedure are shown.

Ward clinics and bedside instruction are made a prominent part of the course. The classes are divided into sections, which are regularly assigned to clinical work in the University Hospital and Dispensary, and in other hospitals and dispensaries. Senior students are assigned in rotation to individual cases in the wards of the University Hospital.

Practical work is required of each student in the preparation of dressings and sterilization of instruments. Each student is required to give, under instruction, at least six anaesthesias and to assist in at least six operations.

Thorough courses are given in operative surgery and proctology.

		HOU	RS
		Totals	Didactic
		Didactic	not to
SUBJECT	YEARS	and Lab.	exceed
Surgery	II, III,	IV	
General Surgery		540	144
Minor Surgery		40	20
Radiography		16	0
Fractures, etc		16	16
Military Surgery and Sanitation		16	16
Ophthalmology		64	16
Laryngology and Otology		60	24
Genito-Urinary Surgery		48	16
Orthopedics		48	16
		- 848	268

ORTHOPEDICS

CURTIS LEE HALL, M. D.		Professor
AURELIUS RIVES SHANDS,	M. D	Professor
THOMAS MADDEN FOLEY,	M. D	Instructor

A course of lectures and recitations on the pathology, etiology, course termination, and treatment of chronic joint diseases, with clinical instruction in the application of special apparatus and of plaster of Paris to the correction of deformities.

RADIOGRAPHY

ARTHUR C. CHRISTIE,	M. D	
THOMAS A. GROOVER,	M. D Associate Professor	
EDWIN A. MERRITT,	M. D	

A fully equipped X-ray laboratory is maintained in the University Hospital and Dispensary. Students of the third and fourth year classes are assigned in sections for instructions in the use of apparatus and the application of radiographs and fluroscopic examinations to diagnosis.

GENITO-URINARY DISEASES

Francis Randall Hagner, M. D.	. Professor
Adam Kemble, M. D	
HOMER GIFFORD FULLER, M. D	
WILLIAM G. YOUNG, M. D	Instructor
CHARLES O. KNOTT, M. D	Instructor

A thorough course of instruction in genito-urinary diseases is given by lectures, recitations, section clinics, and bedside teaching.

MILITARY SURGERY AND SANITATION

WM. H. MONCRIEF, M. D., Colonel, Med. Corps., U. S. A. Professor

The treatment of gunshot wounds with special reference to civil practice is given in a course of lectures and demonstrations, fully illustrated by lantern slides, X-ray photographs, and actual specimens from a collection made after years of study and experimentation.

The use of the new armaments in recent wars and the characteristic features of the wounds caused by them, as well as the treatment of gunshot wounds in peace and war are dealt with.

Lectures on Military Hygiene are also given.

OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M. D	rofessor
DANIEL KERFOOT SHUTE, A. B., M. D	rofessor
EDWARD GRANT SEIBERT, M. D	structor
EARL GRIFFITH BREEDING, A. B., M. S., M. D Clinical In	structor

The course of lectures on this subject is to direct attention to the elementary principles of the subject. It is not intended to qualify the student as a specialist, but to give him a knowledge of what every general practitioner ought to know. The course is supplemented by clinical instruction in the University Dispensary and in the Episcopal Eye, Ear and Throat Hospital.

LARYNGOLOGY AND OTOLOGY

CHARLES WILLIAMSON RICHARDSON, M. D	Professor
OSCAR ADDISON MACK MCKIMMIE, M. D	.Clinical Professor
EDWARD GRANT SEIBERT, M. D	Instructor
ALBERT PERKINS TIBBETS, A. B., M. D	. Clinical Instructor
SAMUEL HARRISON GREENE, M. D	. Clinical Instructor
SAMUEL BOYCE POLE, M. D	. Clinical Instructor
EARL G. BREEDING, M. D	. Clinical Instrutor
FREDERICK C. SCHREIBER, M. D	.Clinical Instructor

The course comprises lectures and clinical instruction on diseases of the nasal passages, pharnyx, larnyx, and the ear. Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

OBSTETRICS

HURON WILLIS LAWSON, S. M., M. D	Professor
WILLIAM SINCLAIR BOWEN, M. D	Professor
EDGAR SNOWDEN, M. D	Associate
ALBERT E. PAGAN, M. D	Associate
HOWARD FRANCIS KANE, A. B., M. D	Instructor
CYRUS W. CULVER, M. D	Instructor

The course in obstetrics comprises lectures, recitations, laboratory demonstrations and clinical instruction and extends over the third and fourth years. The lectures serve to outline the subject-matter and the recitations insure careful preparation on the part of the student. Special laboratory studies dealing with anatomy, embryology and pathology in relation to obstetrics are conducted in the different laboratories concerned. Models, manikins and cadavers are utilized in teaching the mechanism of labor and obstetrical operations. Clinical instruction is given to the classes in small sections at different hospitals and in the out-patient obstetrical service. Beginning about the middle of the third year the student is given practical instruction in making antepartum examinations and he also observes the management of labor cases. During the fourth year he conducts, under the supervision of a paid instructor, twelve labor cases in the large and well-organized out-patient maternity service and submits written reports upon the cases attended.

TOR	

			Totals	Didactic
			Didactic and	not to
	SUBJECT	YEARS	Clinical	exceed
Obstetrics		III and IV	192†	64

[†] The total number of clinic hours cannot be given, as each student is required to attend twelve classes, exclusive of the demonstration work and Ward and Dispensary Clinics above enumerated.

GYNECOLOGY

0.20	
JOHN WESLEY BOVÉE, M. D	
ALBERT LIVINGSTON STAVELY, M. D.	
GIDEON BROWN MILLER, M. D	
J. Lewis Riggles, M. D	
ALBERT E. PAGAN, M. D	
NELSON DUVAL BRECHT, M. D	
VIRGIL B. JACKSON, M. D	

Gynecology as taught in the third year comprises a course of lectures, text-book recitations and clinical instruction. In the fourth year individual students are assigned to cases in the wards of the University Hospital, and the class is taken in sections of one or two students each into the Gynecological Dispensaries for clinical instruction in examinations, diagnosis, and treatment. In larger sections the class attends amphitheater and ward clinics given by the Professor of Gynecology and his assistants.

HOUR

		nothe	
		Totals	Didactic
101		Didactic and	not to
	SUBJECT	YEARS Clinical	exceed
Gynecology		III and IV 144	48

HYGIENE

EDGAR SNOWDEN.	M. D		Professor
----------------	------	--	-----------

The course in Hygiene is given principally by recitation from a prescribed text-book. Consideration is given to domestic and municipal sanitation and to the principles underlying legislative control of public health.

	HOURS		
		Totals	Didactic
		Didactic and	not to
SUBJECT	YEARS	Clinical	exceed
Hygiene	II	32	32

ETHICS

The subject of ethics as given in the order of instruction will comprise didactic lectures on personal ethics in the first year and on medical ethics in the fourth year. Instruction will be given concerning personal hygiene.

care of laboratory equipment, general conduct and adaptability for the profession.

CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

UNIVERSITY HOSPITAL AND THE UNIVERSITY DISPENSARY.

H Street, between Thirteenth and Fourteenth Streets N. W. and adjacent to the Medical Building.—The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical School, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine.

GARFIELD MEMORIAL HOSPITAL

Florida Avenue and Tenth Street N. W.—This institution has 118 charity beds. Clinics are given regularly throughout the session by members of the Faculty connected with the visiting staff of the hospital.

Members of the Faculty on the visiting staff: Professors Claytor, and Leech, Clinical Medicine; Professors Reichelderfer and Kerr and Dr. Pagan, Clinical Surgery; Professors Stavely and Miller, Clinical Gynecology; Professor Carmichael, Clinical Dermatology; Professor Davis, Ophthalmology, Professor Hagner, Clinical Genito-Urinary Surgery; Professor Yarrow, Consulting Physician; Professor Bowen, Clinical Obstetrics; Dr. Merritt, Radiography.

CHILDREN'S HOSPITAL

W Street, between Twelfth and Thirteenth Streets N. W.—Regular instruction is given in the medical and surgical wards by members of the Faculty on the visiting staff of the hospital. This institution has 100 charity beds. There is also a large out-patient department, to which students are regularly assigned for clinical instruction.

Members of the Faculty on the visiting staff: Professor Yarrow, Consulting Physician, Professors Reichelderfer and Kerr, Clinical Surgery; Professors Acker, Leech and Donnally, and Dr. Copeland, Clinical Medicine; Dr. Hall, Orthopedic Surgery.

PROVIDENCE HOSPITAL

Second and D Streets S. E.—Four hundred and ten beds and a large dispensary service is open for clinical instruction by members of the visiting staff.

EMERGENCY HOSPITAL AND CENTRAL DISPENSARY

1711 New York Avenue.—The hospital has 100 charity beds, and has a very large out-patient service. The large emergency service gives exceptional facilities in clinical surgery, particularly in fractures and dislocations which are taught in regular clinics by the instructor in this subject.

Members of the faculty on the visiting staff: Professor Hagner, Clinical Genito-Urinary Diseases; Professors Mitchell and White and Drs. Jackson and Lewis, Surgery; Dr. Littlepage, Clinical Medicine; Professor Carmichael, Clinical Dermatology; Dr. Miller, Clinical Gynecology; Professor Shands and Dr. Foley, Orthopedics; Professor Shute, Ophthalmology; Dr. Ellison, Director of Clinics.

COLUMBIAN HOSPITAL FOR WOMEN

Twenty-fifth Street and Pennsylvania Avenue N. W.—This hospital has 40 charity beds for diseases peculiar to women, and 40 charity maternity beds. Both the obstetrical and the gynecological services are particularly

good and are fully utilized for students.

Members of the Faculty on the visiting staff: Professors Bovée and Miller, and Drs. D. L. Borden, Riggles and Sullivan, Clinical Gynecology; Professors Lawson and Bowen and Drs. Riggles and Snowden, Clinical Obstetrics; Professor Shute, Ophthalmology; Professors Ruffin and Randolph, Visiting Physicians; Dr. Abbe, Surgery; Dr. Copeland, Pediatrics.

ST. ELIZABETH'S HOSPITAL

This hospital is maintained by the United States Government. It has 4,000 beds. Clinical instruction in mental diseases is given by the superintendent of the hospital, Professor W. A. White, and Drs. Chapman and O'Malley. Other members of the Faculty on service at this hospital are Professor Franz and Professor Lewis; Professor Shute, Consulting Ophthalmologist; Professor Ruffin, Consulting Physician; Professor Bovée, Consulting Gynecologist.

THE EPISCOPAL EYE, EAR, NOSE, AND THROAT HOSPITAL

Fifteenth Street, between L and M Streets N. W.—Excellent opportunities for clinical instruction in ophthalmology, otology, laryngology, and

rhinology are offered by this hospital.

Members of the Faculty on its staff: Professor Richardson, Clinical Otology and Laryngology; Professor McKimmie and Dr. Greene, Clinical Otology and Laryngology; Professor Davis, Ophthalmology; Professor Acker, Consulting Physician; Dr. Simpson, Dermatology; Dr. White, Consulting Surgeon.

CASUALTY HOSPITAL

Massachusetts Avenue N. E.—Opportunities in emergency and dispensary work are offered by this institution.

Members of the Faculty on its staff: Professor Acker, Consulting Physician; Professor Reeves and Dr. Rogers, Clinical Surgery; Dr. Hall, Orthopedic Surgery; Dr. Kane, Obstetrics.

TUBERCULOSIS HOSPITAL

Fourteenth and Upshur Streets N. W.—Members of the Faculty on its staff: Professor Clayton, and Dr. Tewksbury, Clinical Medicine; Dr. Reichelderfer, Clinical Surgery; Professor Richardson, Ophthalmology.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of ten dollars will be charged for each subject.

A student who has failed in any subject shall not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee of the Faculty. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September examinations.

A student who fails of graduation, may if approved by the Advisory Committee, be re-examined for graduation in the September examinations.

A student allowed to take the September examinations either for graduation or advancement, will be required to take examinations in such subjects as the Advisory Committee may direct.

A student allowed to repeat a year will be required to take such subjects and such examinations as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Medicine must be at least twenty-one years of ago and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be

present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as having graduated with distinction. If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

PRIZES

A prize from the Ordronaux Prize Endowment will be awarded to the student of the third, and the student of the fourth year class who has the highest scholastic standing.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by a group of alumni. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings, to advance medical science by the presentation of essays, case reports and specimens for instruction and discussion, at its meetings, and to further the interest of the university in general. All alumni and members of the faculty are eligible for membership on election.

Officers: Dr. F. A. HORNADAY, President, Dr. H. W. KEARNEY, Vice-President, Dr. C. B. CONKLIN, Secretary-Treasurer.

Meets at the Medical School building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this society so allowing them the valuable opportunity of hearing the papers presented on medical subjects and becoming familiar with the conduct of medical societies.

HOSPITAL APPOINTMENTS

Interns are annually appointed in the University Hospital. Appointments to similar positions are open to the graduates and undergraduates of this school in the following other hospitals of the city: Garfield Memorial Hospital; Emergency Hospital; Columbian Hospital for Women; Casualty Hospital; Providence Hospital: Washington Asylum Hospital; Children's Hospital; Episcopal Eye, Ear and Throat Hospital.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The central building of this Association is situated within a short distance of the Medical School.

On application through the Dean, students non-resident of the District may become members, with full privileges, including gymnasium, shower baths, swimming pools, lockers, etc., at a special rate of ten dollars for the period of the school session.

Further information regarding the Association may be obtained by application to the Secretary, 1736 G St., N. W.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance	\$5.00
Registration fee, each subsequent year	2.00
Tuition each year	200.00
Breakage deposit, unused part returnable	10.00
Graduation fee	10.00

The above fees apply to all students who register in this school in any class for the session beginning September 29, 1920, and include the use of microscopes.

Students will be required to pay for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Doctor of Medicine who take courses in Histology, Embryology, Bacteriology, Pathology or Clinical Microscopy will be charged a fee of \$6.00 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6.00 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Medical School is for

a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly instalments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Dean.

PREMEDICAL YEARS FEES

SPECIAL COURSE ADMITTING TO THE MEDICAL SCHOOL, BUT NOT LEADING TO A DEGREE IN THE ARTS DEPARTMENT
Annual registration fee\$2
Tuition, per annum
First Year
Chemistry laboratory Materials
Zoology Materials
Second Year
Zoology Materials
Physics Laboratory Materials
If Chemistry 7 is elected, a $$10.00$ fee for materials and a $$10.00$ deposit fee will be required.
COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE
Annual registration fee. \$2 Tuition, per annum. 180
First Year
Chemistry Laboratory Materials

Breakage...... 10

Zoology Materials Microscope	\$ 5
econd Year	
Chemistry Laboratory Materials Breakage	10
Zoology Materials	. 5
Physics Material fee	. 10

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

Applicants are urged to secure from the schools and colleges attended, completely compiled, premedical credentials and forward them for evaluation as long a time as possible before the opening of the Medical School in September.

While no standard form of statement is required, blank forms for enumerating credentials will be supplied if requested.

For catalogues, application blanks, and further information, address

THE DEAN,

Medical School,
The George Washington University,
1335 H Street N. W., Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY TRAINING SCHOOL FOR NURSES

Administrative and Teaching Personnel

WILLIAM MILLER COLLIER, A.M., LL.D.,	.President of the University
WILLIAM CLINE BORDEN, M.D.	
Dean, Department of Medicine of the University	y and Chairman of the Exec-
utive Committee of the Hospital	
JOHN WESLEY BOVEE, M.D	
CHARLES WILLIAMSON RICHARDSON, M.D. OSCAR ADDISON MACK MCKIMMIE, M.D.	Ear, Nose and Throat
OSCAR ADDISON MACK MCKIMMIE, M.D.	Mataria Madian
TENRI KNOX CRAIG, M.D	
RANDOLPH BRYAN CARMICHAEL, M. D	
CYRUS W. CULVER, M.D	
OSCAR BENWOOD HUNTER, S.M., M.D	
HARRY KNOX CRAIG, M.D	
EDGAR PASQUAL COPELAND, M.D	
Daniel LeRay Borden, A.M., M.D	
HURON W. LAWSON, M.D	
THOMAS LINVILLE, M.D	Medicine
C. B. Conklin, M.D	
TRUMAN ABBE, A.B., M.D.	
FRANK A. HORNADAY, M.D.	Public Sanitation
Custis L. Hall, M.D.	Orthopedics
WILLIAM T. DAVIS, M.D.	Eye
JOHN B. COPPING.	Superintendent
OLIVE B. SWEET, R.N	Superintendent of Nurses
IRENE HANSON, R.N.	t. Superintendent of Nurses
HELEN I. PFAFF, R.N.	Instructor
MARION B. OLDS, R.N.	Night Supervisor
RUTH WEIR, R.N	Operating Room Supervisor
AURALEE SIGAFOOSE, R.N.	Anaesthetist
LOUISE STRATBUCKER	Dietitian
PAUL SYLVESTER, Reg. Phar.	Solutions
CAROLYNE MCKIM CHAPMAN, R.N.	Instructor in Massage
CLARA MOONEY, MIS	Matron, Nurses' Home

HOSPITAL.

The George Washington University Hospital is a general hospital located in the central part of the city, and connected with it is a Dispensary having a large out-patient service, so that the Institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical and emergency nursing and the administration work incident to a hospital.

The staff of the George Washington University Hospital are all members of the Faculty of Medicine of the University Medical School and the nurses receive the benefit arising from instruction and nursing cases under these trained instructors.

ADVANTAGES

Nurses in training in this Institution have the unusual advantages incident to University association, are carried as students in the University and as such participate in the commencement exercises.

The city of Washington being the Capital of the United States is especially attractive as a place of residence during the educational period of a young woman's life. There are more schools for young women in the city than in any other of its size in this country.

The cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is the seat of the General Government, are broad and national, make it an ideal place in which to pass three years of study.

NURSES' HOME

The Nurses' Home with a resident matron is located at 1016 13th Street N. W., a short distance from the Hospital, and furnishes the nurses excellent and adequate accommodations.

BOARD OF LADY MANAGERS

Since the establishing of the Hospital and Training School for Nurses, both these institutions have been very materially assisted by a most efficient Board of Lady Managers. This Board has worked most energetically in the interest of both the Hospital and Training School, and by personal endeavor and financial assistance have done much to improve these institutions.

REQUIREMENTS FOR ADMISSION

Candidates must apply personally or by letter to the Superintendent of Nurses upon blank forms provided therefor. Applicants must not be less than 19 nor over 30 years of age. They must be in good physical condition and present satisfactory evidence of their preliminary educational qualifications. Graduation from a grammar school and three years' work in a high school or academy or its equivalent are necessary. Approved applicants will be taken for a probationary period of four months as vacancies may occur. Such probationers as are deemed fitted for the duties of nurses, at the expiration of their probationary period, upon subscribing to the requirements of the school, will be accepted as pupil nurses.

Classes for probationers begin in January, April, July and October.

COURSE OF TRAINING

The course of training (including the probationary period) covers three years and comprises theoretical and practical instruction. By affiliation, pupils are given four months in eye, ear, nose and throat work at the Episcopal Hospital and three months in Children's diseases, at The Children's Hospital, both in this city.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table:

The subjects studies in each year are stated			
FIRST YEAR	SECOND YEAR	THIRD YEAR	
Anatomy and Physiology	Communicable diseases	Diet and diseases	
Bandaging	Pediatrics	Nervous and Mental	
Chemistry	Gynecology	diseases	
Bacteriology	Orthopedics	Special Senses	
Dietetics	Massage	Skin and Venereal dis-	
Drugs and Solutions	Obstetrics	eases	
Materia Medica	Pathology and Urin-	Special lectures	
Ethics	analysis	and Training School	
Hygiene	Nursing Ethics and	Administration.	
Medical diseases	History of Nursing.		
Surgical diseases			
Nursing technic			
Physical education.			

(5) Diet cooking for the sick including (a) twelve lessons in cooking with a competent diet teacher; (b) food values, and feeding in special cases, to be taught in classes and not in lectures.

(6) A thorough course of theoretical instruction in contagious nursing where practical experience is impossible.

(7) Bacteriology.

REGULATIONS

I. Probationers, when admitted to the school, will require the following outfit: Uniform. 4 uniform dresses, 12 uniform aprons, 1 dozen pairs uniform cuffs, 1 dozen uniform collars, 3 striped underskirts, 2 laundry bags, 1 watch with second hand, 6 sets plain underclothing, raincoat, 1 pair rubbers, shoes with rubber heels, 1 kimono.

II. To insure uniformity and economy the uniform sample must be secured through the Superintendent of Nurses, and no nurse will be allowed to go on duty until her outfit has been inspected and found to comply with the requirements of the school.

III. All articles of clothing must be plainly made and marked with name in full.

IV. Jewelry is not allowed to be worn on duty, and if of any value is best left at home. If brought, it will be at the risk of the owner. Watches are to be worn on tape around neck, under bib.

V. Two hours, are allowed every week day, for rest, study and recreation, also one-half day after 1 p. m. each week, and one-half day on Sunday.

VI. A vacation of two weeks is allowed each year.

VII. A pupil nurse may be dismissed at any time if there is sufficient cause for such action, but no dismissal shall be made without the approval of the President of the University.

REMUNERATION

Each nurse in training receives professional instruction, home, board, laundry and medical care free and a salary of \$12 per month (including the probation period) and an additional \$108 (\$3.00 per month) paid at the expiration of the three years course.

DIRECTORY FOR NURSES

A general directory for Graduate Trained Nurses was established in connection with the Training School and Hospital during the first year in which the School was in operation. The object of this directory is to afford a means to physicians and patients of securing with the least loss of time, the services of nurses who have graduated from our Training School. The Directory is under the supervision of the Executive Committee of the Faculty of Medicine and under the direct charge of the Superintendent of Nurses.

GRADUATES

IUNE, 1010, COMMENCEMENT

JUNE, 1919, COMMENCEMENT	
Willie Grant Ashby	Virginia
Sarah Elizabeth Brown	. District of Columbia
Ruth Edward Crews	North Carolina
Mary Jane Flaherty	Virginia
Elizabeth McEl. Murray Fulcher	Georgia
Lena Moore Graves	
Nell Hamlin	North Carolina
Laurel Hayden	Maryland
Virginia Kirby	Virginia
Grace Lake	
Louva Lee Neff	Virginia
Marion Bovee Olds	Virginia
Lurline Vernon Palmore	
Lola Spratt	Virginia
Bessie Jeffrey Walker	Virginia
Elsie Watson	
Grace Leonainie Wells	Virginia

GEORGE WASHINGTON UNIVERSITY SCHOOL OF PHARMACY

WILLIAM MILLER COLLIER, LL. D....... PRESIDENT OF THE UNIVERSITY HENRY E. KALUSOWSKI, M. D., PHAR. D.,

Dean of the School of Pharmacy, Professor of Pharmacy

OFFICERS OF THE NATIONAL COLLEGE OF PHARMACY

WILLIAM MILLER COLLIER, LL.D......PRESIDENT OF THE UNIVERSITY HENRY E. KALUSOWSKI, M.D., PHAR. D., Dean and Chairman of the College Lewis Flemer, Phar. D........Vice-Chairman of the College Charles B. Campbell, Phar. D., M. D......Secretary of the College Herbert C. Easterday, Phar. D.......Treasurer of the College

BOARD OF TRUSTEES

(with year of expiration of term of office)

Henry E. Kalusowski, 1921
Samuel L. Hilton, 1921
William T. Kerfoot, Jr., 1921
Henry B. Floyd, 1921
Charles B. Campbell, 1920
Herbert C. Easterday, 1920

(with year of expiration of term of office)

Lewis Flemer, 1920
William S. Richardson, 1920
Wymond H. Bradbury, 1922
Lyman F. Kebler, 1922
Fred B. Campbell, 1922
Frank P. Weller, 1922

MEMBERS OF THE COLLEGE

PHILIP J. AFFLECK WALTER ARMSTRONG THOMAS H. ATKINSON ALFRED BLUMBERG ROBERT F. BOGGAN W. EDWARD BOYD HOWARD M. BRADBURY WYMOND H. BRADBURY LOUIS F. BRADLEY ALFRED T. BRONAUGH V. ALOIS BURGHER HOMER K. BUTLER CHARLES B. CAMPBELL FRED B. CAMPBELL JOSEPH D. COBLENTZ ALBERT N. CONNOR Francis M. Criswell William C. Downey Roger W. Duffey PETER J. DUNCAN HERBERT C. EASTERDAY HENRY EVANS W. ASHTON EVANS MARTIN S. FEALY LEWIS FLEMER HENRY LEWIS FLEMER GEORGE R. FLEMER HENRY B. FLOYD LEOPOLD H. FORSTER CHARLES J. FUHRMANN MALCOLM G. GIBBS CHARLES E. GROSS ROBERT N. HARPER CHARLES HAWKINS FRANK C. HENRY WILLIAM P. HERBST WALTER R. HILL SAMUEL L. HILTON

R. CLIFFORD HINES FLORENCE V. HOSKINS JAMES T. HOSKINS William S. Jones Henry E. Kalusowski Lyman F. Kelber WILLIAM T. KERFOOT, JR. WILLIAM H. McCLURE D. J. MATTINGLY WILLIAM F. MATTINGLY REDMOND MAYO T. K. NELSON ROBERT J. MYERS GUY M. NEELY THOMAS E. OGRAM NORMAN D. PARKER PAUL PEARSON MORRIS A. POZEN R. LUCIEN QUIGLEY
ALBERT M. READ (honorary)
CHARLES C. READ
EARLE K. RICHARDSON FRANK R. RICHARDSON WILLARD S. RICHARDSON FRANK ASHBY ROBEY BERT H. SMYSER SAMUEL T. STOTT AUGUSTUS C. TAYLOR FRANK B. TIPTON F. A. TSCHIFFELY ROBERT A. VEITCH S. M. WAGNER CHARLES S. WALTER CONRAD H. WEISS FRANK P. WELLER EDWARD W. WHITESIDE HARVEY W. WILEY (honorary)

SUBJECTS OF INSTRUCTION

Subject.	Year.
Pharmacy	First, second, third, and fourth year.
Chemistry	. First, second, third, and fourth year.
English.	
French. German. Elect one	. First year.
Zoology	.First year.
Psychology and Logic	.First year.
Physics	. First year.
Botany	.Second year.
Physiology	.Second year.
Materia Medica	.Third year.
Pharmacology	.Third year.
Pharmaeognosy	.Second year.
Bacteriology	.Third year.
Clinical Microscopy	.Third year.
Public Health and Hygiene	
Mercantile Pharmacy	

GENERAL STATEMENT

The forty-ninth annual session of the George Washington School of Pharmacy will commence Wednesday, September 29, 1920.

The course of instruction covers four scholastic years of thirty-two weeks, leading to the degree of Bachelor of Science in Pharmacy.

The entrance requirements and class instruction are on the same basis as required of other schools in the University.

All work offered in the School of Pharmacy meets the highest requirements of pharmaceutical instruction, its aim is to train pharmacists so as to enable them to intelligently and efficiently perform any work that may be required from a pharmacist with scientific training, the equipment, methods of instruction and courses are arranged to attain the object of its aim, the close association of the College of Pharmacy with the George Washington University by which students in pharmacy share all the advantages and enjoy the spirit of a great educational establishment is in itself an incentive to prepare themselves to meet the requirements of the trend of pharmaceutical education.

Instruction will be given during the day.

The degree of Bachelor of Science of Pharmacy will be conferred on students who have attended the required course of instruction and pass satisfactory examinations in the same. 1. THE

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of \$5 will be charged for each subject.

To be advanced, a student must not fail in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

Students who fail in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege, will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Bachelor of Science in Pharmacy must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

TEXTBOOKS

The following textbooks are used in the courses in Pharmacy: U. S. Pharmacopæia; Practice of Pharmacy, Remington; Treatise on Pharmacy, Caspari.

STUDENT ACTIVITIES

Student Activities in the University are carried on under the direction of a Board of Managers, acting under resolutions adopted by the Board of Trustees. Student Activities, including athletics, debating, and the various student publications, are supported by a voluntary tax to which all students in the University are invited to subscribe. This tax not only admits the subscriber to athletic contests and entitles him to copies of the publications, but also provides for free medical attention and hospital service under certain conditions. This tax is payable like other University fees, at the office of the Treasurer of the University.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance	\$5
Registration fee, each subsequent year	2
Tuition each year	80
Graduation fee	10
Material fee for Chemistry	10
Material fee for Physics	10
Materials and Microscope for Zoology	10
Materials and breakage for Pharmacy	10

This includes all laboratory fees and charges for material used in Chemistry and practical Pharmacy. Students will, however, be required to pay all charges for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Bachelor of Science in Pharmacy who take courses in Bacteriology or Clinical Microscopy will be charged a fee of \$6 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance. No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Pharmacy School is for a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Treasurer.

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

For catalogues, application blanks, and further information, address— The Dean,

> School of Pharmacy, The George Washington University, 808 Eye Street N. W., Washington, D. C.

LAW SCHOOL

FACULTY

WILLIAM MILLER COLLIER, A.M., LL.D President of the University
MERTON LEROY FERSON, A.M., LL.B Dean and Professor of Law
WALTER COLLINS CLEPHANE, LL.M
EDWIN CHARLES BRANDENBURG, LL.M
ARTHUR PETER, LL.B
JOHN PAUL EARNEST, A.M., LL.M
WENDELL PHILLIPS STAFFORD, A.M., LL.D., Litt.DProfessor of Law
JOHN WILMER LATIMER, LL.B
WILLIAM CABELL VAN VLECK, A.B., LL.B Secretary and Professor of Law
*ARCHIBALD KING, A.M., LL.B
CHARLES SAGER COLLIER, A.B., LL.B
MERRILL ISAAC SCHNEBLY, A.B., J.D
JOHN MONTEITH McFall, A.M., LL.B Assistant Professor of Law
LOYD HALL SUTTON, S.B., LL.B Associate Professor of Patent Law
John Hanna, A.M., LL.BLecturer in Law
CHESTER McLain, A.B., LL.B., S.J.DLecturer in Law
WILLIAM HENRY STAYTON, LL.MLecturer in Law
LEVI RUSSELL ALDEN, A.M., LL.BLecturer in Law
FRED C. O'CONNELL, LL.M
The C. Competing International Control of the Indian

MOOT COURT OF APPEALS

HENRY BROWN FLOYD MACFARLAND	ice
STANTON JUDKINS PEELE, LL.B	ice
BRAINARD WARNER PARKER, LL.B	ice

LIBRARY

ARTHUR VAN	METER, A.B		Assistant	Librarian
JOSEPH EAGL	ESON McCulloug	н	Assistant	Librarian

GENERAL STATEMENT

History.—The Law School, established in 1865, is the oldest in the city of Washington. Its course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A year of graduate work was added in 1877 leading to the degree of Master of Laws. The curriculum has since been increased by a course of study leading to the degree of Master of Patent Law.

^{*}On leave of absence 1919-20. An officer in the American Expeditionary Forces in France.

ALT WALL

Member of Association of American Law Schools.—The Law School was one of the group of law schools which in 1900 organized the Association of American Law Schools and it has remained a member of the Association since that time. This Association includes forty-eight of the most progressive law schools of the country and is committed to the policy of advancement in legal education. As this school maintains the standards of the Association, work certified by it is given a maximum of credit by other law schools of the country. This enables students who are unable to complete their studies in Washington to continue them at other in stitutions with a minimum loss of time and work.

Purpose of Course.—The School aims to give a thorough legal training to students whose education and maturity fit them to pursue serious professional study. Nearly sixty per cent of its students have had college training and their average age is over twenty-five years. A preliminary course in liberal arts is encouraged and the University permits the first year of law work to be counted as the fourth year of college work for the degree of Bachelor of Arts, thus enabling students to obtain both the academic and professional degrees in six years.

Method of Instruction.—The method of instruction followed is designed to instill correct modes of legal study, to train the mind in legal reasoning, and to give a thorough grasp of fundamental legal principles. The student studies leading cases—the earlier cases which establish a principle, the later cases which show its qualifications. This study is supplemented by class-room discussion and instruction. Thus while the student is being trained to analyze and to discriminate, he at the same time masters the principles of law, sees the reasons on which they are based, and observes the influence on their development of successive political, economic, and social theories. The method is most practical. The student has always before him actual problems and their solution by the ablest judges of England and America. He begins under his teacher's guidance the work he must do when he enters practice. In no other way can the future lawyer acquire such power to solve the new problems arising from the rapidly changing social and economic conditions of life.

"The only way to clarify and simplify our law as a whole is to reach the lawyer in the making and mold his habits of thought by adequate instruction and training so that when he comes to the Bar he will have learned to think not merely in terms of law but in terms of jurisprudence. The living principle of the case system of instruction in our law schools is that the student is required by a truly scientific method of induction to extract the principle from the decision and to continually state and restate for himself a system of law evolved from its history. He is thus preparing not merely to accept formally dogmatic statements of principles but to receive

and assimilate and make his own the systematic thought and learning of the world in the science of jurisprudence. With a Bar subjected generally to that process of instruction, the more general systematic study of jurisprudence would follow naturally and inevitably, and the influence of that study would be universal; and from that condition would evolve naturally the systematic restatement of our law, by men equal to that great work."*

This inductive case system is the antithesis of the lecture and illustrative case method which is often mistaken for it. The case method is now used in over eighty per cent of the schools in the Association of American Law Schools.

The substantive law is taught almost wholly by professional teachers employing the case method and giving all their time to the school; the practice courses are conducted by lawyers and judges in active practice.

Scope of Course.—The course of study is not local in its scope but constitutes a thorough preparation for the practice of law in any English speaking jurisdiction. It satisfies the professional study required for admission to the Bar examinations of the District of Columbia and all other jurisdictions of the United States. The school has conferred over 2,500 degrees, and its graduates are now practicing in every state of the Union.

ADVANTAGES OF WASHINGTON FOR THE STUDY OF LAW

The city of Washington has unusual attractions for students and particularly for students of law. It lies between the North and the South. It is a residential city of rare beauty, and its population is drawn from all over the United States. The library facilities of the city, both general and legal, are unexcelled. It is unique in the extent of its legal machinery. It is the seat of Congress, the Supreme Court of the United States, the Department of Justice, the United States Court of Claims, the United States Court of Customs Appeals, and of the District of Columbia Court of Appeals, Supreme Court, and Municipal Courts, which exercise the dual function of state and federal courts. By attending the sessions of these various bodies students can familiarize themselves with all branches of legal procedure and keep in touch with current legal thought while pursuing their studies,

LOCATION

The Law School occupies the entire fifth and sixth floors of the New Masonic Temple, corner of New York Avenue, Thirteenth, and H Streets N. W., and is easily accessible from all parts of the city. The quarters are well equipped with commodious class rooms, moot court rooms, offices, the law library, and a students' room.

^{*}From the address of Hon. Elihu Root, President of the American Bar Association August, 1916.

[†]Beginning September 1, 1920, The Law will occupy its new Building at 1435 K Street Northwest.

LIBRARY

A well-equipped working library comprising more than 10,000 volumes is open to students from 8.30 a.m. to 10 p.m. Competent librarians are in charge and will give students assistance in the use of books.

The library contains the complete decisions of the highest courts of forty-eight states and the District of Columbia, the complete reports of the United States Supreme Court and the other federal courts, the complete National Reporter Reports, the Century, Decennial, Key number and United States Supreme Court Digests, the various encyclopedias of law, the Lawyers Reports Annotated, the American Decisions, American Reports and American State Reports, the English Common Law and Chancery Reports, the English Reprint, the English Law Reports and Law Journal Reports since 1865, and about 800 standard text books and legal periodicals.

In addition to these facilities the students have free access to the Congressional Library and other public libraries.

ACADEMIC YEAR AND REGISTRATION

The academic year 1920-21 begins Wednesday, September 29, closes Wednesday, June 8. The year is divided into two half-years, the second beginning February 7. The course is so arranged that a student may enter the second half-year and be graduated three years from that time, receiving his degree at the Winter Convocation held on or about February 22 of each year.

Students are urged to register at the beginning of the half-year. Those who register later than three weeks after the opening of the half-year will be restricted to registration for such work only as in the opinion of the faculty they can successfully carry.

HOURS OF INSTRUCTION

The hours of instruction are 7.50-8.40 a. m., 9.00 a. m.-12.00 m., and 5.10-6.50 p. m. Many of the courses are duplicated, so that a student may, if he so desires, confine his work largely either to the forenoon or to the afternoon. Students who desire, or are compelled by circumstances, to support themselves by employment in the Government Service or elsewhere, or who desire to obtain practical experience in an attorney's office in addition to their work in law school, will find this arrangement of hours especially desirable. Such students may complete the full course for the degree, confining their attendance entirely from 5.10-6.50 p. m., or attending partly from 7.50-8.40 a. m., and partly from 5.10-6.50 p. m.

ADMISSION

Both men and women are admitted to the Law School.

 For the Degree of Bachelor of Laws.—The requirements for admission to the course leading to the degree of Bachelor of Laws may be satisfied in either of the following ways: a. By the presentation of a diploma or certificate of graduation from the classical, scientific, or equivalent course of a college or university.

b. By the presentation of certificates from a college or university, or from an approved high school or preparatory school, showing the successful completion of at least fifteen high school units, which are broadly equivalent to a four year high school course. A unit represents approximately one year of study of a major subject in a high school. Applicants qualifying for admission under this requirement must be at least eighteen years of age. Those presenting high school credits only should have them certified on the blank forms which they may obtain from the Secretary of the Law School.

The fifteen units may be made up from the following subjects: (The Roman numerals indicate the year of study in the subject).

Subjects	ils
English I, II, III, IV	4
Leithi, Lacinghamy, 1, 11.	2
Advanced, III, IV	2
Greek, Elementary, I, II	2
Advanced, III	1
French, Elementary, I, II	2
Advanced, III, IV	2
German, Elementary, I, II	2
Advanced, III, IV	2
Spanish, Elementary, I, II	2
History, Ancient	1
Mediaeval and Modern European	1
English	1
American	1
Mathematics	
Alegbra, Elementary and Intermediate	13
Advanced	3
Geometry, Plane	1
Solid	1
Plane Trigonometry	3
Science	
Physics	1
Chemistry	1
Physiography	1
Biology	1
23010 By	
Botany	- 1
	1
Botany	*

Commercial High School Subjects

Accounting and Finance	1
Bookkeeping	1
Business Organization	1
Commercial Law	1
Commercial History	- 1
Commercial Geography	3
Government and Industrial Problems	1

II. For the Degree of Master of Laws or Master of Patent Law.—Candidates for these degrees must be at least twenty-one years of age and hold the degree of Bachelor of Laws from an institution substantially complying with the requirements of the Association of American Law Schools.

III. As Special Students.—Persons who can not qualify as candidates for a degree but are over twenty-one years of age and have had such educational training and practical experience as should enable them to pursue satisfactorily the study of law, may be admitted as special students by consent of the Dean.

ADVANCED STANDING

Students from other law schools which substantially comply with the requirements of the Association of American Law Schools will receive equivalent credit, not exceeding two years' work. Such students must have been qualified to enter this school when they began the study of law. The right is reserved to refuse such credit, in whole or part, save conditionally or after examination, and credit given may be withdrawn for poor work.

Applicants of whom examination may be required, can take the regular examinations or those held at the beginning of each academic year. (See examinations.)

No credit will be given for studies pursued in a college or high school before entering on the regular study of law, or in a law office.

SUBJECTS OF INSTRUCTION

The course of instruction extends through a period of at least three year. For the degree of Bachelor of Laws twelve hours class work a week are necessary to complete the course in three years. Ten hours a week for a year in subjects not counted towards the Bachelor's degree, are required for the degree of Master of Laws or Master of Patent Law.

The subjects marked with an asterisk are prescribed for the degree of Bachelor of Laws. The student may elect the remainder of his subjects. Third-year students may elect subjects of the second year not previously studied. The selection of the subjects must be made in all cases within ten days after the beginning of the half-year.

Students devoting their whole time to the study of law may, with the permission of the Dean, take work not exceeding fifteen hours a week. Excess credits may be applied toward the degree of Master of Laws or

Master of Patent Law. Students with substantial outside employment may not register for more than twelve hours and are urged to carry less, and to devote more than three years to the course.

FIRST YEAR SUBJECTS

*Common Law Actions. Two hours first half year. Introductory to study of law. Substantive and adjective law; courts; steps in an action; original writ; scope of formed actions; growth of new actions; development of law. Sunderland's Cases on Common Law Pleading. Mr. Collier.

*Contracts. Three hours. Simple contracts: offer, duration and termination thereof; acceptance; consideration; contracts under seal, including thereunder formalities of execution, delivery and consideration; parties affected by contracts: beneficiaries; assignees; joint obligors and obligees; performance of contracts: express and implied conditions; impossibility. Williston's Cases on Contracts. Mr. Ferson.

CRIMINAL LAW AND PROCEDURE. Three hours second half year. Sources of the criminal law; intent and act; attempts; insanity as a defense; historical development of crimes and statutory changes. The arrest; bail; the grand jury; the indictment; trial; pleas; modification of early practice, and statutory changes. Mikell's Cases on Criminal Law and Procedure. Mr. Earnest.

*EQUITY I. Two hours second half year. The nature and underlying principles of equity; specific performance of affirmative and negative contracts; relief for and against third persons under contracts, especially under contracts relating to the use of land. Ames' Cases on Equity Jurisdiction, Volume I. Mr. McFall.

*Personal Property. Two hours first half year. Distinction between personal and real property; nature of and rights based upon possession; some methods of acquiring title to chattels; liens and pledges; conversion. Warren's Cases on Property. Mr. Schnebly.

PRINCIPLES OF LEGAL LIABILITY. Two hours first half year. Nature of an act; causation of injury; proximity or remoteness of injury as affecting tort or criminal liability of the actor; effect of interposition of other causes including natural forces and acts of animals and human beings; excuses for acts causing injury including duty, public authority, defence of person and property and consent of injured person. Beale's Cases on Legal Liability. Mr. McFall.

*Real Property I. Two hours second half year. Feudal tenure and incidents; estates in land; co-tenancy; future interests; seisin; creating and transferring estates; uses; incidents of ownership. Warren's Cases on Property. Mr. Schnebly.

^{*}Prescribed Subjects.

*Torts. Three hours first half, two hours second half year. Negligence; duty of care of occupant of land toward those coming on it; trespass to the person, to real and personal property; contributory negligence; liability for fire or explosives; liability of owner of animals; deceit; libel and slander; malicious prosecution; unfair competition; strikes and lock-outs. Pound's Cases on Torts. Mr. VAN VLECK.

SECOND YEAR SUBJECTS

AGENCY. Two hours. Requisites for creation of the agency relation; power of the agent to subject the principal to tort, criminal and contract liability to third persons; responsibility of the agent to third persons; liabilities in case of undisclosed principal; duties of principal and agent interse; delegation of powers by the agent; ratification; termination of agency. Wambaugh's Cases on Agency. Mr. Ferson.

*BILLS AND NOTES. Three hours second half year. Form and essential requisities of negotiable instruments; delivery; indorsement; liability of maker, acceptor, drawer, indorser, and of person transferring by delivery. Colson's Huffcut's Cases on Negotiable Instruments. Mr. McFall.

*Common Law Pleading. Two hours first half year. The declaration, necessary allegations, separate counts, joinder of causes; pleas, the common traverse, the special traverse, the general issues, confession and avoidance, estoppel, abatement; replications; amendment, aider and repleader. Stephen on Pleading. Mr. Clephane.

Domestic Relations. Two hours first half year. Marriage, divorce and separation; personal and property rights and liabilities of husband and wife; parent and child; infancy. Woodruff's Cases on Domestic Relations (2d ed.). Mr. Hanna.

*EQUITY II. Two hours first half year. A continuation of the study of the rules regulating specific performance of contracts including the doctrine of equitable conversion, and the more important defenses to a specific performance such as the statute of frauds, fraud, hardship, misrepresentation and concealment. Ames' Cases on Equity Jurisdiction, Volume I. Mr. McFall.

Equity III. Two hours second half year. Bills of interpleader; bills of peace; bills Quia Timet; cloud on title; reformation and recission; mistake of law and mistake of fact. Ames' Cases on Equity Jurisdiction, Volume II. JUSTICE STAFFORD.

Equity Pleading and Practice. One hour first half year. Parties; process; bills; demurrers; answers; pleas; disclaimers; cross-bills; replications; amendments; practice; injunctions; receivers. Jones on Equity Pleading and Practice. Mr. Clephane.

12000

^{*}Prescribed Subjects.

*Evidence. Three hours first half year. Judicial notice; burden of proof and presumptions; admissions and confessions; character; opinion evidence; the hearsay rule and its exceptions; the privileges and disqualifications of witnesses; the examination of witnesses; writings. McKelvey on Evidence, Thayer's Cases on Evidence. Mr. Peter.

Insurance. Two hours second half year. Marine, fire and life insurance; validity of the policy as affected by insurable interest; concealment; representation; warranty and other matters; rights of the insured and of the insurer under the policy; rights of assignees and beneficiaries. Wambaugh's Cases on Insurance. Mr. McFall.

QUASI-CONTRACTS. Three hours second half year. Obligations imposed by law which are enforceable by action of assumpsit. Thurston's Cases on Quasi-Contracts. Mr. VAN VLECK.

*Real Property II. Two hours. Rights in another's land; profits, easements, licenses, covenants running with the land; acquisition of real estate inter vivos; accretion, adverse possession, prescription, conveyancing, covenants for title, estoppel by deed; dedication. Warren's Cases on Property and Gray's Cases on Property (2d ed.), Volume III. Mr. Schnebly.

Sales. Three hours second half year. Subject matter of a sale of personal property; the passing of title as affected by the goods being specified or unspecified, the contract being executed or executory, the use of documents of title, and shipments c. o. d.; effect of fraud and of retention of possession; rights and remedies of the seller; rights and remedies of the buyer. Williston's Cases on Sales (2d ed.). Mr. Collier.

THIRD YEAR SUBJECTS

ADMIRALTY. Two hours second half year. Jurisdiction; admiralty liens; bottomry and respondentia; salvage; general average; charter parties and contracts of affreightment; marine insurance; The Harter Act; The Limited Liability Act; marine documents; procedure in admiralty. Ames' Cases on Admiralty Jurisdiction. Mr. Stayton and Mr. Alden.

Bankruptcy. Two hours second half year. History of the law; jurisdiction and procedure in Courts of Bankruptcy and before Referees; effect upon civil litigation of bankruptcy proceedings; voidable preferences; jurisdiction over appeals, etc. Mr. Brandenburg.

CONFLICT OF LAWS. Two hours. Jurisdiction; of law over persons and things; of courts, in rem, in personam, quasi in rem, and for divorce, creation and enforcement of foreign rights; limitations and enforcement of such rights; remedies, including rights of action and procedure; par-

^{*}Prescribed Subjects.

ticular classes of rights, including personal rights, property rights, tort rights, contract rights; administration of estates. Lorenzen's Cases on Conflict of Laws. Mr. VAN VLECK.

Constitutional Law. Two hours. Legislative, executive and judicial powers; the relation of nation and states; District of Columbia and territories; the contract clause; ex post facto laws; fourteenth amendment; commerce clause, etc. Wambaugh's Cases on Constitutional Law. Mr. Collier.

*Corporations. Two hours. The course aims to deal with all general principles of corporation law including the corporation's relations with the state, its promoters, its stockholders, and its creditors, and the rights and obligations arising therefrom. Warren's Cases on Corporations (2d ed.). Mr. Collier.

Federal Procedure. Two hours first half year. Source of Federal jurisdiction; the law as administered by Federal Courts; jurisdiction and procedure; appellate jurisdiction of Circuit Court of Appeals and Supreme Court of the United States; practice in Court of Claims, and other Federal Courts. Mr. Brandenburg.

LEGAL BIBLIOGRAPHY AND BRIEF MAKING. One hour first half year. Where and how to find the law; how to use decisions and statutes; trial brief; appeal brief. Judge LATIMER.

Legal Tactics and Ethics. One hour second half year. Duties of attorneys; ethics; office practice; common law practice; summary judgments; attachments; examination of witnesses; appellate practice; extraordinary legal remedies. Mr. Clephane.

*Moot Court. Two hours. Pleadings; trials before judge; trials before jury; extraordinary remedies; appellate work. There are three nisi prius courts, Equity, Circuit, and Criminal, and a Court of Appeals. The proceedings are conducted as in a regular court. Statements of fact are furnished the students who must determine the court in which to sue, frame their pleadings, and conduct the cases to a conclusion in accordance with the rules of actual practice. Messrs Clephane and Earnest and Judge Latimer.

Organization and Management of Corporations. One hour second half year, Promotion; selecting domicile; capitalization; charter; by-laws; meetings; stockholders; directors; officers; stock; bonds; voting trusts. Clephane on the Organization and Management of Corporations. Mr. Clephane.

PARTNERSHIP. Two hours first half year. Formation; title to partnership property; partnership liability; rights and duties of partners inter se; rights and remedies of creditors. Ames' Cases on Partnership. Justice Stafford.

A CONTRACTOR

^{*}Prescribed Subjects.

PATENT LAW (SUBSTANTIVE) AND PATENT OFFICE PRACTICE. Two hours. Substantive Patent Law; Subjects of patents; invention; anticipation; statutory bars; utility; parties; reissues; disclaimers; extent of monopoly; state and federal regulation; transfers of title; licenses; construing claims; infringement. Patent Office Practice; Attorneys; application papers; examinations; amendments; division; double patenting; interferences; interference practice; appeals; abandonment; renewals; public use proceedings; issue. Mr. Sutton.

PATENT LAW PRACTICE. Second half year. Trial of patent law cases in moot court. Mr. Sutton.

PREPARATION OF LEGAL INSTRUMENTS. One hour second half year. Contracts; deeds; acknowledgement and proof of deeds; mortgages and deeds of trust; leases; bills of sale; chattel mortgages; release of mortgages or deeds of trust; powers of attorney; assignments; wills. Judge Latimer.

†Public Service Companies and the Interstate Commerce Act. Two hours. An introductory consideration of the rights, liabilities and duties of public service companies in general, followed by a more minute study of the duties and obligations of carriers including those of interstate carriers as regulated by the Interstate Commerce Act. Beale's Cases on Carriers (2d ed.); Wyman's Cases on Public Service Companies (2d. ed.); Frankfurter's Cases Under the Interstate Commerce Act.

†Suretyship. Two hours second half year. Nature of the contract; kinds of suretyship; the statute of frauds; surety's defenses based on the absence, suspension, or discharge of the primary obligation, or on conduct of the creditor prejudicial to the surety-rights; effect of notice of revocation by or death of the surety; subrogation; exoneration. Ames' Cases on Suretyship. Mr. Schnebly.

TRUSTS. Two hours. The nature of a trust as distinguished from debt, bailment, equitable charge and executorship; the requisites for the creation of a trust including trustee, cestui que trust, object, consideration and the effect of the Statute of Frauds; the nature of the cestui's interest; the transfer of trust property by act of the parties, by death, by marriage, by insolvency and acts of creditors; the duties of the trustee in the administration of his trust. Resulting and constructive trusts. Scott's Cases on Trusts. Mr. McLain.

WILLS AND ADMINISTRATION. Three hours, second half year. History of wills: The right to make a will; what is disposable under a will; form, execution, and attestation; revocation; who is entitled to administer upon an estate; distribution of an intestate's personalty; descent of realty; probate; letters testamentary and of administration; duties of executors and administrators. Costigan's Cases on Wills. Mr. Schnebly.

International Law. Two hours. A course on International Law and Diplomacy offered by the Faculty of Arts and Sciences. President Collier, Admiral Stockton, Professor Hill.

[†]Not given 1919-20.

in the first

SUMMER SESSION

A limited number of subjects are offered at the Summer Session. The purpose of this session is to lighten or supplement the work of the regular session by enabling students to take subjects usually taken in the regular session. These subjects may also be availed of to shorten the period of study for a degree. Students may begin the study of law at the Summer Session. The subjects offered in the summer session of 1920 (June 21 to August 3) will be Personal Property, Principles of Legal Liability, Domestic Relations, Equity II, Mortgages, Municipal Corporations, Quasi Contracts and Sales. See announcement of the summer session, 1920.

PUBLIC SPEAKING AND DEBATING

Excellent facilities for training in public speaking and parliamentary law are afforded by the Columbian Debating Society, which has been organized in the Law School, and meets weekly for debate. Membership in this Society is optional, but its work is encouraged by the Faculty, and students are advised to take part in its exercises.

Intercollegiate debates are also held. Membership on the teams which represent the University in these contests must be won in preliminary contests held for such purpose. These debates are conducted under the supervision of a committee of the University Faculty.

ATTENDANCE, RECITATIONS, EXAMINATIONS, GRADES, AND ELIMINATION OF STUDENTS

Attendance and Recitations.—No student, except by special permission of the Dean, will be allowed to take an examination in any subject unless he shall be regularly registered and have been in regular attendance upon the classes and have done all the work required in the course of instruction upon that subject. A student who is absent over ten per cent of the class hours in any subject will be denied credit unless his absences are excused by the Dean.

Regular Examinations.—Written examinations are held at the close of the first half-year in subjects which are then completed and at the close of the year in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean.

Grades.—At all examinations the grading of students will be indicated by the letters A, B, C, D, E, and F, representing, respectively, Excellent, Good, Satisfactory, Fair, Conditioned, and Failed. A student receiving the grade F (failed) in any subject will be required to repeat the class work. A student receiving the grade of E (conditioned) in any subject will be required to repeat the class work unless he pass the next regular examination for the removal of conditions with a grade of at least C.

Examinations for the Removal of Conditions.—Regular examinations for the removal of conditions are held during the first week of each academic year. A special examination for the removal of conditions is held at the end of each academic year for the benefit of candidates for the Bachelor's degree who have been conditioned in not more than four hours during the first half of their last year. Application for permission to take these examinations must be made in writing to the Secretary of the Law School not later than three days before the date for which the examination is scheduled.

Elimination of Students.—Students, regular or special, whose work is unsatisfactory, are required to withdraw from the school. The instructors of the first year class are a committee to examine the students' records, with power to warn, to place on probation, and to refuse reregistration to any student whose work is deemed unsatisfactory. This committee examines the records of all students immediately after the mid-year examinations and again after the final examinations.

DEGREES

1. Bachelor of Laws.—The degree of Bachelor of Laws will be conferred upon regular students who have studied law for a period of at least three years and passed satisfactory examinations with an average grade of at least C on required and elective subjects aggregating thirty-six year hours, and whose attendance and conduct have been satisfactory to the Faculty.

The degree of Bachelor of Laws with distinction will be awarded students whose average percentage in all subjects is equivalent to the grade of A.

- 2. Master of Laws.—The degree of Master of Laws will be conferred upon students who have completed the work in subjects not counted for the Bachelor of Laws degree covering a minimum of ten hours a week with a grade of C or better and whose attendance and conduct have been satisfactory to the Faculty. The subject of International Law offered by the Faculty of Arts and Sciences may be counted toward this degree. The degree will not be conferred until one year after the receipt of the degree of Bachelor of Laws.
- 3. Master of Patent Law.—Students who have qualified for the degree of Master of Laws may elect instead the degree of Master of Patent Law provided that they have included in their course the Patent Law subjects and Federal Procedure. This degree will not be conferred until one year after receipt of the degree of Bachelor of Laws.

Candidates for degrees who have been absent from school for two successive years shall be entitled to continue the course only on such terms as the Faculty may prescribe at the time of re-entering.

COMBINATION SIX-YEARS COURSE FOR DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

The University permits one year of professional work in the Law School to be counted toward an academic degree. The degree of Bachelor of

Arts will be conferred on students who have completed three years of college work (45 units) including one of the four groups of subjects prescribed by Columbian College of the University, and the first year in the Law School; the degree of Bachelor of Laws on completing the whole six years of the combination course.

PRIZES

The John B. Larner Gold Medal.—A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who shall have attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded 1918–19 to Bessie Wooten Newsom.

Herrick Prize.—A prize of twenty-five dollars eash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who shall have attained the highest average grade in the entire work of the third year. Awarded 1918–19 to Howard Seaman Miller.

Blackstone Institute Prize.—A set of Modern American Law, donated by the Blackstone Institute, is awarded annually to that member of the graduating class, excepting the winner of the Herrick Prize, who shall have attained the highest average grade in the entire work of the third year. Awarded 1919–20 to Taylor Hudnall Stukes.

The Ordronaux Prize Scholarship.—A prize scholarship, known as "The Ordronaux Prize Scholarship," is awarded annually to that member of the second year class taking the regular course who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of one hundred dollars in his third year; library and diploma fees will remain payable. The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest grade. Awarded 1918–19 to Maxwell James.

Phi Delta Phi Prize.—The Marshall chapter of Phi Delta Phi Fraternity, which is the local chapter, offers a prize of twenty-five dollars cash, to be awarded annually to that member of the first year class taking the regular course who shall attain the highest average grade in the entire work of the year. Awarded in 1918–19 to John David Watkins.

Ellsworth Prize.—A prize of twenty-five dollars in gold, offered by Mr. Fitz von Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice. Awarded in 1918–19 to Edgar Cummings Sanborn.

John Byrne and Company Prize.—A prize offered by John Byrne and Company of Washington, D. C., of four volumes of their Legal Classics is awarded each year to the student attaining the highest grade in Real Property II. Awarded for 1918-19 to Maxwell James.

FEES

The following schedule of fees applies to all students who have matriculated in and been in attendance in the Law School prior to September 1, 1918.

1.	Matriculation fee (payable once)\$	5
2.	Library fee (payable annually one-half at the beginning of	
	each half year)	
	Tuition fee per annum for each hour taken per week	
4.	Fee for graduation	10

The following schedule of fees applies to all students entering the Law School for the first time after September 1, 1918.

1.	Registration fee (payable once upon first registration in the
	Law School) 5
2.	Tuition fee per annum for each hour taken per week 12
3.	Fee for graduation 10

No registration will be accepted for less than a half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Students will be charged for all courses registered or until application for permission to drop them or to withdraw from the University has been made in writing to the Dean. Withdrawals during the half-year will be granted only on recommendation of the Dean and the approval of the President.

PAYMENT OF FEES

Matriculation and library fees are due in advance. Tuition may be paid in eight monthly installments in advance, but will not be apportioned for part of a month. Students unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond for \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1, of the current school year. Fees are payable at the office of the Treasurer of the University, 2101 G Street, or of the Secretary of the Law School.

STUDENTS' EMPLOYMENT

The School endeavors to assist students in finding work to aid in their support. Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue the law course in the afternoon. Information concerning these examinations may be secured from the Civil Service Commission at Washington.

There are also opportunities for private employment which will help pay expenses, but the applicant must be on hand to take advantage of them. Prospective students should have the means of support for at least a half year to give them time to secure positions.

For catalogues, application blanks, and further information, address

THE SECRETARY OF THE LAW SCHOOL,

George Washington University.

PART III STUDENTS IN THE UNIVERSITY

Will WHY

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since Bebruary 15, 1919, by daggers.

DEGREES CONFERRED, MISCELLANEA



STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1919-1920

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 1920, by daggers.

In the enumeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1919-20, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian College 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

SCHOOL OF GRADUATE STUDIES

IN ATTENDANCE.

*Anderson, Archibald, L. (Va.)...... East Falls Church, Va. Ph. B., 1900; B. E., Union College BEASLEY, PAULINE (Missouri)........... 1812 N St. N. W. 1908 Belmont Rd. B. S., 1914, State University of Iowa ...4115 7th St. N. W. M. E., 1918, Cornell University A. B., 1911, Southern College, Florida ... 605 Massachusetts Ave. N. E. HENDRICKS, MARJORY EVEREST (D. C.)...2540 14th St. N. W. A. B., 1918, University of Wisconsin HODGKINS, GEORGE WILSON (D. C.)..... 1830 T St. N. W. A. B., 1915; A. M., 1916, George Washington University *Jewell, Mary Tallulah (Ga.)....... 1414 K St. N. W. A. B. 1917, Brenau College Konno, Tosabro (Japan) 2218 18th St. N. W A. B., 1900, University of California; A. M., 1902. Columbia University

*Kotinsky, Jacob (D. C.)......1470 Chapin St. A. B., 1918, Drury College LASHLEE, MARY NORMA (Tenn.)......835 Whittier St. N. W. B. S., 1917, Cumberland University LINFIELD, FREDERICK BERTIL (Mont.) 3240 Interior Bldg. B. S., 1917, Montana State College *MILLS, ABBOT PAIGE (Mass.)..... ... 1269 New Hampshire Ave. A. B., 1911, Williams College; LL. B., 1914, Harvard University †MURPHY, ANNA LOUISE (Md.)......5346 41st St. Chevy Chase A. B., 1918, Goucher College

. 1827 7th St. N. W.

A. B., 1905, Imperial Japanese University

STEVENS, LULA REDWOOD (Miss.)......Govt. Hotels, G-H Bldg. A. B., 1914, Mississippi Industrial Institute and College

Institute of Brooklyn

*Worrell, Everil (D. C.).....1436 Meridian Place A. B., 1915, George Washington University

MASTER OF ARTS.

ADKINS, HARTWELL STANSBURY (Md.) 642 C St. N. E. B. A., 1908, Washington and Lee University. Topics: Major, History; Minor, Political Science *Asghar, All (Mirza Ali Asghar Khan z.K.)

(Persia)1513 16th St.

Science; Minor, History

†*Bobbitt, Lingurn Burkhead (D. C.) . . . 216 11th St. S. W A. B., 1911, Johns Hopkins University. Topics: Major, English; Minor, History

Brandes, Walter Christian (D. C.)....2032 16th St. N. W. Ph. B., 1916, Yale University. Topics: Major, History; Minors, Political Science; English

ALTERNATION OF THE PARTY OF THE

Burke, Ellen Teresa (D. C.)......531 Jefferson St. A. B., 1916, George Washington University. Topics: Major, English; Minors, Sociology, French

BUTTS, (Mrs.) Frances Moon (Va.).... Business High School A. B., 1919, George Washington University. Topics: Major, Education; Minors, Education, Commerce

Callahan, Dolly Marthena (Va.)....209 Duke St. Alexandria
A. B., 1919, George Washington University. Topics: Major, History, Minor, Political Science

CASTILLEJO, LINO JUAN (Philippine Is-

Minors, Economics, Commerce

*Cole, Elta Jean (Ia.)......1223 15th St. N. W. B. S., 1915, New York State College for Teachers. Topics: CONNER, LULU ELIZABETH (D. C.)......2506 K St. N. W.

A. B., 1908, George Washington University. Topics: Major, English; Minor, French

History

Economics; History

†Coughlin, Mildred Margaret, (Kansas) 5347 41st St. Chevy Chase. A. B., 1918, Washburn College. Topics: Major, English; Minors, Commerce, History

Education

Dollarhide, Daniel Augustus (Ark.)... 1736 G St. N. W. A. B., 1916, Henderson-Brown College. Topics: Major, Commerce; Minors, Commerce, Political Science

ELDRIDGE, HARRIET DAYTON (D. C.)... A. B., 1917, George Washington University. Topics: Major, English; Minors, English, Education

*ELY, CLARA HARRISON STRANAHAN (N. J.)
927 Farragut Square A. B., 1911, University of Michigan. Topics: Major, History; Minors, Commerce

†ERLANDSON, RAY SANFORD (Wis.)...... 1304 Euclid St. N. W. A. B., 1918, University of Wisconsin. Topics: Major, Education; Minors, Economics

†Ferguson, Elizabeth Grieve (Ga.) . . . 1935 Park Rd. N. W. A. B., 1919, Randolph-Macon Women's College. Topics: Major, English; Minors, Sociology, History

GALESKI, ALEXANDRA L. (D. C.)...... The Mendota Apt. 76 A. B., 1918, George Washington University. Topics: Major, English; Art, History

GEARE, (MRS.) DOROTHY SMALLWOOD (D. 2400 16th St. N. W.

A. B., 1912, George Washington University. Topics: Major, English; Minors, Philosophy, Education

GLASER, FREDA ELIZABETH (Wis.)......1447 Clifton St. N. W. A. B., 1917, Lawrence College. Topics: Major, English; Minors, Socioology, Art

HANFORD, FLORENCE LILLIAN (Conn.)....2233 Q St. N. W. A. B., 1915, Smith College. Topics: Major, English; Minors, French,

Political Science tion; Minors, English, Spanish

HAYWOOD, WILLIAM FRANKLIN (Texas) . . . 413 9th St. S. E. A. B., 1917, Howard Payne College. Topics: Major, History; Minors,

Economics, Education HESTER, (MRS.) LAURA PYWELL (Va.) . . 1205 15th St. N. W. A. B., 1919, George Washington University. Topics: Major, English:

Minors, Psychology
†Hewett, Charles Madison (Ia.).....3226 Park Place N. E.
A. B., 1917, Upper Iowa University. Topics: Major, English; Minors, Education, Economics

HONEYCUTT, WILLIAM ELISHA (N. C.) 112 3d St. N. E. A. B., 1919, Wake Forest College. Topics: Major, Sociology; Minors,

A. B., 1913, Oberlin College. Topics: Major, Political Science Hoskins, (Miss) Frank Byrne (Tenn.). 4623 Georgia Ave, N. W. A. B., 1915, Tennessee College. Topics: Major, History; Minors, English, Latin

nomics

*Knowles, Margaret Morton (Va.) East Falls Church, Va.
A. B., 1916, George Washington University. Topics: Major, English;
Minors, History, English

nors, History, Education

Lindsey, Merritt Eugene (N. Y.)......4013 14th St. N. W. Diploma, 1901, University of New York; B. Ped., 1902; B. S., 1904., Ohio Northern University. *Topics*: Major, Economics; Minors, History, Political Science

ology

Philosophy, History

Mace, Brice Martin, Jr. (D. C.)....... 1907 G St. N. W. A. B., 1908, Cumberland University. Topics: Major, Commerce; Minors, Economics, History

*McNeal, OTTIE (Mo.)... ...1409 15th St. N. W.

A. B., 1916, St. John's University, Shanghai Topics: Major, Education; Minors, Philosophy, Education.

tion, Sociology

MORAN, CATHARINE REGIS (D. C.) 1727 Columbia Rd.

A. B., 1919, George Washington University. Topics: Major, English;

Minors, English, History

†Norton, Frederick Aloysius (Mass.). 59 Bryant St. N. W. B. S., 1919, as of 1918, Harvard University. Topics: Major, Chemistry; Minors, Economics, Preventive Medicine

*OTTERBACK, PHILIP GRAHAM (D. C.).....3529 13th St. N. W. B. S., 1918, Colgate University. Topics: Major, Economics; Minors, Commerce

PARGOT, ISIDOR (N. Y.). 1012 C St. S. W.

A. B., 1919, New York State College for Teachers. Topics: Major, English; Minors, Philosophy

Minors, History

*PHOEBUS, MILDRED ANNA (D. C.)...... 1925 North Capitol St.

A. B., 1916, George Washington University. Topics: Major, Commerce

†Preinkert, Alma Henrietta (D. C.)... 1511 L St. N. W. A.B., 1916, George Washington University. Topics: Major, English; Minors, History

Economics, Commerce

Rose, Helen Marie Cecilia (Ill.) 1320 U St. N. W.

Ph. B., 1919, University of Chicago. Topics: Major, Mathematics, Minors, English, Education

ology; Minors, Economics, Philosophy

Schoenfeld, Margaret Hertha (D. C.) 3448 34th Place A. B., 1918, George Washington University. Topics: Major, Economics; Minors, Economics, Political Science. (Degree of A. M. conferred, February 23, 1920).

SCOTT, DOROTHY BERKSHIRE (D. C.) 16 Fifth St. S. E. A. B., 1915, University of Omaha. Topics: Major, Chemistry; Minors, Chemistry, Bacteriology

Ethnology, French and Spanish

Minors, English

Minors, Political Science, Philosophy

nors, Latin, Philosophy

cation; Minors, Education, English TEAGUE, EUDORA ETHEL (Tex.)....

.....1715 14th St. N. W. A. B., 1918, Southern Methodist University. Topics: Major, English; Minors, Economics, Archaeology

THOMAS, LISLE (Mich.)......1416 R St. N. W. A. B., 1917, George Washington University. Topics: Major, Commerce; Minors, Law

WARNER, HAROLD ELLSWORTH (D. C.).... 914 Massachusetts Ave. N. W. A. B., 1913, George Washington University. Topics: Major, Education; Minors, Economics

WEBER, (MRS.) ANGELIA WASHBURN (Colo.) Carr, Colo.

A. B., 1912, Colorado State Teachers College. Topics: Major, Education; Minors, English, Education

Wells, Jessie Lander (Tenn.).... nors, Sociology, English Welty, Raymond Leo (Kan.)

..... 1008 22d St. N. W. B. S. in Education, 1918, Kansas Fort Hayes Normal School. Topics: Major, History, Minors, Political Science, Commerce

WESTCOTT, LYDIA ELIZABETH (Ky.).....1433 L St. N. W.

A. B., 1914, Florida State College for Women. Topics: Major, English; Minors, English, Education

February 23, 1920

nors, Economics

Minors, History, Philosophy Young, (Mrs.) Augusta Freeman (N.

A. B., October, 1918, George Washington University. Topics: Major, English; Minors, History, Art

MASTER OF SCIENCE.

Minors, Geology Zoology

*BISCHOFF, HENRY WILLIAM (N. Y.) 2926 Upton St. E. E., 1916, Columbia University. Topics: Major, Electrical Engineering; Minors, Physics, Chemistry BOONE, PEARL VIRGINIA LEE (D. C.) U. S. National Museum

A. B., 1919, George Washington University. Topics: Major, Zoology; Minors, Geology

B. S., 1917, Maryland State College. Topics: Major, Chemistry; Minors Partonic

Minors, Chemistry

nors, Chemistry

CULLEN, ELIZABETH ORLAN (D. C.).....307 B St. N. E.

A. B., 1918, George Washington University. Topics: Major, Geology
DAUBNEY, ROBERT (England)......1807 California St.

M. R. C. V. S., 1913, Royal College of Veterinary Surgeons. Topics:
Major, Zoology: Minors, Zoology, Pathology

EVANS, MORGAN WILLIAM (O.).....North Ridgeville, O. B. S. A., 1906, Cornell University. Topics: Major, Botany, Minors, Zoology, Chemistry

Chemistry

FOSTER, MARGARET DOROTHY (D. C.) ... 2112 F St. N. W. A. B., 1918, Illinois College. Topics: Major, Chemistry Gersdorff, Wilbur August (D. C.) ... 1825 North Capitol St.

B. S. in Chemistry, George Washington University. Topics: Major,

B. S., 1918, George Washington University. Topics: Major, Chemistry; Minors, Chemistry, Bacteriology

.....719 A St. N. E.

A. B., 1914, Brigham Toda,
Minors, Geology, Education

*Hemmings, Harry Howard (N. Y.).....611 Y. M. C. A.

*Hemmings, Harry Howard (N. Y.).....611 Y. M. C. A.

*Topics: Major, Applied Mathematics; Minors, Mathematics, Physics

JOHNSON, OTTO THEOPHILUS (Vt.)......3545 13th St. N. W. B. S. in E. E., 1914, University of Vermont. Topics: Major, Physics and Electrical Engineering; Minors, Philosophy

.... U. S. Weather Bureau A. B., 1917, George Washington University. Topics: Major, Physics; Minor, Applied Mathematics

MEISINGER, CLARENCE LE ROY (Neb.) 3331 Stephenson Place Chevy Chase, D. C.

Topics: Major, Meteorology; B. S., 1917, University of Nebraska. Minors, Meteorology, Astro-Physics

MERRITT, GEORGE ERNEST (D. C.)......3631 35th St. N. W. A. B., 1913, Pomona College. Topics: Major, Physics; Minors, Mathe-

Economics

STEEVER, LAURA WINFIELD (D. C.)......2106 F St. N. W.

B. S., 1911, George Washington University. Topics: Major, Preventive Medicine; Minors, Education, Sociology

Physics, Mathematics

WEEKS, DOROTHY WALCOTT (D. C.).....3461 Lowell St.
A. B., 1916, Wellesley College. Topics: Major, Electrical Engineering; Minors, Physics

Bacteriology; Minors, Chemistry

gineering; Minors, Chemistry

111111

CIVIL ENGINEER.

Minors, Geology, Mechanical Geology

Engineering; Minors, Geology, Economics

*Howell, Beaudric La Fitte (Va.).....818 Union Trust Bldg. C. E., 1910, University of Virginia. *Topics:* Major, Sanitary Engineering

Kessler, Daniel William (D. C.)......221 Prospect Place
B. S. In C. E., 1908, University of Missouri. Topics: Major, Civil Engineering; Minors, Geology, Mineralogy

MECHANICAL ENGINEER.

DOCTOR OF PHILOSOPHY.

- Cameron, John Joseph (Conn.)......2715 P St. N. W.
 A. B., 1915, Yale University. Topics: Major, Political Science; Minors,

- CHU, KING (China)
- ELVOVE, ELIAS (D. C.)
- B. S., 1903; M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. *Topics*: Major, Chemistry; Minors, Pharmacology, Physiology. (Degree of Ph. D. conferred February 23, 1992).

- Geology
- nomics, History
- HOBBS, EWART WILLIAM (D. C.) 2111 18th St.

 LL. M., 1910, National University Law School; A. B., 1916, A. M.,
 1917, George Washington University. Topics: Major, Philosophy,

- - Minors, Law, Philosophy
- LENNON, MARQUIS LAFAYETTE (Tenn.) . . . 1229 6th St. N. W. A. B., 1912, Union University; M. A., 1919, George Washington University. Topics: Major, Education; Minors, Political Science; Sociology

1111111

McArthur, Louis Eugene (Utah)....... 2112 F St. N. W. B. Ped., 1897, Brigham Young University; A. B., 1916; A. M., 1917, George Washington University. *Topics*: Major, Political Science; Minors, History, Economics

Magnuson, Harry Peter (Neb.)........1518 R St. N. W. B. S. in Agriculture, 1916, University of Nebraska. *Topics*: Major, Chemistry; Minors, Chemistry, Botany

MOORE, FRANK DEANE (D. C.) 1324 Euclid St.

A. B., 1918; A. M., October, 1919, George Washington University. *Topics*: Major, Geology; Minors, Chemistry, Ethnology

MOREHOUSE, ALANSON DAVID (D. C.) 1526 O St. N. W.

M. E., 1893, Cornell University. Topics: Major, Hydraulic Engineering; Minors, Economics, Meteorology

MUERMAN, JOHN CHARLES (D. C.)......1701 Park Rd.
A. M., 1916, George Washington University. Topics: Major, Education; Minors, Education, Sociology

sity of Michigan. Topics: Major, Botany; Minors, Botany, Zoology

RAINE, WENDELL PHILLIPS (D. C.).....1731 S St. N. W. B. S. in E., 1907; M. A., 1911, University of Pennsylvania. Topics: Major, Commerce; Minors, Political Science, Sociology

..... 2823 14th St. N. W.

ics: Chemistry

Anthropology, Zoology

†Saunders, Eleanora Bennette (S. C.). St. Elizabeth's Hospital B. S., 1901, Chicora College; M. D., 1907, Medical College of South Carolina. Topics: Major, Psychology (Abnormal); Minors, Psychology, Psychiatry

tology

University. Topics: Major, Zoology; Minors, Bacteriology

Topics: Major, Education; Minors, Agricultural Education, Sociology

D. conferred, February 23, 1920.)

ABELL, EMMA B. (0)

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS Pa.

1363 Park Road

RYLAND (113) ADAMS, LESLIE HAROLD (78) AIKEN, CAROLYN BACOME (30) AIKEN, SAM BACOME (25) ALEXANDER, MABEL C. (10) ALLEAN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, ROBERT NELSON (63) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) D. C. 1637 Harvard Terrace 1845 North Capitol St. 1845 North Capitol S
AIKEN, CAROLYN BACOME (30) AIKEN, CAROLYN BACOME (25) ALEXANDER, MABEL C. (10) ALLEN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) AIKEN, Warth Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1845 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1846
AIKEN, CAROLYN BACOME (30) AIKEN, CAROLYN BACOME (25) ALEXANDER, MABEL C. (10) ALLEN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) ANDERSON, RUTH VIRGINIA (12) AIKEN, Marth Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1845 North Capitol St. 1846 North Capitol St. 1846 North Capitol St.
Alken, Sam Bacome (25) ALEXANDER, MABEL C. (10) ALLEN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) ANDERSON, RUTH VIRGINIA (12) ANDERSON, RUTH VIRGINIA (12) BLACK BYSS. 1845 North Capitol St. 1460 Monno St. 1465 Meridian Place Mt. Rainier, Md. 1225 L St. 1305 Conn. Ave. 1536 16th St. 60 Randolph Place 60 Randolph Place
ALEXANDER, MABEL C. (10) ALLEN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMMN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, ROBERT NELSON (63) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) BY ANDERSON, RUTH VIRGINIA (12) C. (1460 Monroe St. 1460 Monroe St. 1460 Monroe St. 1465 Meridian Place 1465 Meridian Place 1425 L St. 1305 Conn. Ave. 1536 16th St. 60 Randolph Place 1536 Randolph Place 1536 Randolph Place
ALLEN, RUTH FRANCES (86) ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) D. C. 1460 Monroe St. 927 E St. N. E. 1465 Meridian Place Mt. Rainier, Md. 1225 L St. 1305 Conn. Ave. 1536 16th St. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ALLEN, WALTER RUDOLPH (12) ALSEEN, MYRTLE F. C. (45) AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) D. C. BY TEST. N. E. 1465 Meridian Place Mt. Rainier, Md. 1225 L St. 1305 Comp. Ave. 1536 16th St. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ALSEEN, MYRTLE F. C. (45) Minn. 1465 Meridian Place AMAN, JOHN ANDREW (101) Md. Mt. Rainier, Md. AMUNDSON, CHARLES E. (0) Minn. 1225 L St. ANDERSON, EDITH A. (12) Ill. 1305 Conn. Ave. ANDERSON, NELL TRABUE (0) D. C. 1536 16th St. ANDERSON, ROBERT NELSON (63) Va. ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
AMAN, JOHN ANDREW (101) AMUNDSON, CHARLES E. (0) ANDERSON, EDITH A. (12) ANDERSON, NELL TRABUE (0) ANDERSON, ROBERT NELSON (63) ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
AMUNDSON, CHARLES E. (0) Minn. 1225 L St. ANDERSON, EDITH A. (12) Ill. 1305 Conn. Ave. ANDERSON, NELL TRABUE (0) D. C. 1536 16th St. ANDERSON, ROBERT NELSON (63) Va. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ANDERSON, EDITH A. (12) Ill. 1305 Conn. Ave. ANDERSON, NELL TRABUE (0) D. C. 1536 16th St. ANDERSON, ROBERT NELSON (63) Va. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ANDERSON, NELL TRABUE (0) D. C. 1536 16th St. ANDERSON, ROBERT NELSON (63) Va. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ANDERSON, ROBERT NELSON (63) Va. 60 Randolph Place ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
ANDERSON, RUTH VIRGINIA (12) D. C. 60 Randolph Place
The base of the tradition of the state of th
Anderson, Walter Irwin (0) Pa. Cherrydale, Va.
Andrews, Alice (6) Ohio 625 G St. S. W.
Arnold, Rosemary (40) D. C. 24 Second St. N. E.
Ashford, Alice May (0) N. Y. 924 C St. N. E.
ATEN, RALPH PRESSLEY (0) D. C. 1432 Meridian St.
Austin, Violet K. (0)
Takoma Park, Md.
AYRES, KATHRYN ELIZABETH (30) D. C. The Portner
Ayres, Margaret Eleanor (30) D. C. The Portner
BAER, JOHN L. (93) Pa. The Maury
*Baines, Thelma A. (0) D. C. 156 R St. N. E.
*Baker, Susie Vaughan (12) Va. 49 Bryant St.
BALDWIN, ALICE (0) D. C. 1804 Kilbourne Pl.
Ball, Charles Olin (100) Kansas 1739 H St.
BALLARD, EULA MAY (0) Texas 712 F St.
BALLINGER, WILLIAM
McCormick (72) D. C. 1489 Newton St.
BARKSDALE, ALICE ASHTON (0) D. C. 1752 Euclid St.
DARLOW, RUTH GERALDINE (0) D. C. 1434 Q St.
BARROW, MARY GLADYS (0) D. C. 1013 1/6 I St. N. E.
BARTLETT, BARBARA
ELIZABETH (6) D. C. 1929 Lawrence St.
Basseches, Jacob Thomas (91) N. Y. 1814 Riggs Pl.
BAUER, EMMA BARBOUR (2) Pa 1235 Girard St.
BECKETT, EDGAR WELLS (21) D. C. 710 Quincy St.
BEECH, ROZIER JAMES (0) D. C. 1662 Park Road

Behrend, Henrietta (42)	D. C.	Route A, Box 163,
		Anacostia Station
BELCHER, JOSEPH WARREN (0)	D. C.	178 U St. N.E.
TRENDER LEO (0)	Md.	Silver Spring, Md.
BENDER, LEO (0) BENFER, MARY CELIA (0)	D. C.	3009 17th St. N. E.
BENNETT, AVA L. (32)	Ohio	U. S. Nat. Museum
BENNETT, FLORENCE	01110	
MABELLE (0)	D. C.	4411 Iowa Ave.
BENNETTS, ELLA MILDRED (87)	Wis.	1941 First St.
BENTLEY, HELEN E. (0)	N. Y.	I-K Bldg. Govt. Hotels
BERLINER, ALICE ELIZABETH (12	D. C.	1458 Columbia Road
BERMAN, LOUIS H. (0)	D. C.	813 4½ St.
BERNSTEIN, SAMUEL (0)	D. C.	601 Second St. S. W.
BERRYMAN, FLORENCE		
SEVILLE (24)	D. C.	1754 Euclid St.
BEULAR, MELBOURNE		
EARNEST (5)	Texas	1333 15th St.
BLAKE, NELSON MOREHOUSE (0)		Hyattsville, Md.
BLANTON, THOMAS	212021	,
LINDSAY, JR (0)	Texas	223 East Capitol St.
BLEIKER, ROSS FRANKLIN (40)	Mo.	2123 F. Street
BOARDMAN, LEONA (0)	Ohio	1220 North Carolina Ave.
*Bockovac, Joseph Lorenz (0)	Md.	653 Pa. Ave. S. E.
BOHNE EMIL E (0)	Ind.	914 22nd St.
BOND, SAMUEL HAZEN (0)	D. C.	4525 Klingle St.
BONERRAKE HELEN L. (B)	D. C.	5210 Illinois Ave.
*BOSTWICK ELMER PATTON (92)	Ohio	1803 G St.
BONEBRAKE, HELEN L. (6) *BOSTWICK, ELMER PATTON (92) *BOSWELL, MARGARET	02110	
	D. C.	238 New Jersey Ave.
BOUCHER HIRAM A (0)	Minn.	House Office Bldg.
*BOUCHER, HIRAM A. (0) BOUCHER, PAULINE E. (14) BOWEN, GEORGE LOVERIDGE (24) BOWEN, MADE FRANKE (2)	D. C.	515 E. Wardman Courts
Bowen George Loveringe (24)	Kans.	1829 19th St.
BOWEN, MARY ELIZABETH (0)	D. C.	1654 Hobart St.
Box, Mary M. (34)	Texas	3737 Kanawha St.
212. (01)		Chevy Chase, D. C.
BOYD, SUE HUNT (103)	N. C.	2006 G St.
BOYD, VERNON JEROME FORD (0)	N. Dak.	612½ 22d St.
BOYNTON, MARCIA (6)	Ohio	328 13th St. N. E.
Bradley, Mary M. (70)	Ga.	2311 Ontario Road
Brannen, Florence (0)	Ga.	1337 Park Road
Bradley, Mary M. (70) Brannen, Florence (0) Brasell, Mary Louise (73)	Miss.	1834 K St.
BRAZEROL, KATHERINE		
DEATRICE (15)	D. C.	1233 11th St.
BREUNINGER, MIRIAM ROBIN (30)	D. C.	5700 16th St.
DREWER, MARGARET GRANT (0)	Md.	College Park, Md.
BRIDGES, ILDRIA (31)	Ill.	1328 South Carolina Ave.
BROADDUS, ETTIENETTE H. (0)	Va.	Arlington, Va.
DROMBERG LOWN LOWIS (17)	Ala.	Senate Office Bldg.
*Brown, Desire (30) Brown, Earl (0) Brown, Earl (57) *Recompliance of the control	Tenn.	1307 P St
BROWN, EARL (0)	D. C.	2033 F St.
BROWN, ERMA (57)	Mo.	Cavendish Apts.
BROWN, ESTELLA E. (36)	Md.	3475 14th St.
*BROWN, ESTELLA E. (36) BROWN, FRANCES ISABELLA (0) BROWN, LOIS (0) BROWN, WAGER SWAYNE (110)	D. C.	4606 15th St.
BROWN, LOIS (0)	Texas	714 18th St.
	D. C.	2827 28th St.
BROWNE, THOMAS (116)	D. C.	231 9th St. N. E.

*D		
*Browning, Ella	34.1	1409 Delegald St
CAWTHORN (0)	Md.	1402 Delafield St.
BRUNER, KENNETH H. (0)	D. C.	519 Harvard St.
BRYAN, CAROLYN NAOMI (10)	D. C.	1906 Florida Ave.
*Bryant, Charles Odell (0)	Tenn.	606 22d St.
BUCHMAN, EVA REBECCA (57)	Iowa	1804 G St.
BUCKINGHAM, ETHEL R. (6)	D. C.	2570 University Pl.
BUCKINGHAM, WELLS		
SACKETT (0)	D. C.	The Portner
	2.0.	A STATE OF THE PARTY OF THE PAR
Burdick, Bernard	Ala.	1739 P St.
FRANKLIN (10)	D. C.	Soldier's Home Hospital
*Burg, Robert Edward (0)		
Burgess, Harriett Lenore (0)		1819 Hamlin St. N. E.
Burkinshaw, Thomas J. (0)	Conn.	The Marlborough
- T TT (00)	37 (1	918 18th St.
Burrus, John W. (62)	N. C.	Y. M. C. A.
BURSLEY, HARRY C. (0)	D. C.	57 R St. N. E.
BURTON, OLIVER E. (39)	W. Va.	55 T St. N. E.
†Butkiewicz, John K. (122)	D. C.	1335 H St.
†Butler, Charles Claud (0)	D. C.	3435 Oakwood Terrace
BUTLER, GEORGE HENRY (0) BUTLER, MARION, JR. (39)	N. Dak.	612½ 22d St.
BUTLER, MARION, JR. (39)	D. C.	2200 R St.
†Buzbee, J. Quintin (94)	Ala.	112 3d St. N. E.
CABLER, CLEVELAND (130)	Ark.	1100 Vermont Ave.
CARL ANDER A (0)	D. C.	3612 Newark St.
CALL, ALDEN A. (0)		The Concord
*Campbell, Kathleen Ray (86)	Va.	white days of
CAMPBELL, LOIS ELIZABETH (0)	Pa.	5611 14th St.
*CAMPBELL, RUTH L. (0)	Calif.	1820 K St.
CARLE, HERBERT M. (22)	Ohio	611 22d St.
CARR. ELMA BEBEE (106)	Ky.	Department of Labor
CARTMELL, LEON E. (85)	Miss.	502 B St. N. E.
CARTMELL, LEON E. (85) CASTLE, WANDA R. (0)	Texas	1827 I St.
CATES, RONALD EDWARD (10)	Iowa	1739 P St.
CATHCART, PAUL HAMILTON (104)		Ballston, Va.
CERCEO, A. VICTOR (0)	D. C.	110 E St.
CHACE, MARJORIE (15)	D. C.	5300 Belt Rd., Chevy Chase,
CHACE, MIARJORIE (15)	D. C.	D. C.
Cranner Bonner Canaras		D. C.
†Chandler, Robert Carswell	C-	2002 C S4
(0)	Ga.	2002 G St.
CHAPIN, MABEL HEATH (0)	D. C.	815 A St. N. E.
CHASTAIN, LOUIS P. (0)	D. C.	723 Carroll Ave., Takoma
		Park, D. C.
CHEEK, ELSIE CAROLYN (0)	D. C.	54 V St.
CHEYNEY, WILLIAM JAMES (69)	Va.	Rosslyn, Va.
CHURCH, EARLE R. (36)	Mich.	R. F. D., Silver Spring, Md.
CLARK HELEN ANGELA (O)	D. C.	1818 Kalorama Rd.
CHEYNEY, WILLIAM JAMES (69) CHURCH, EARLE R. (36) CLARK, HELEN ANGELA (0) CLARK, WALDO APPLETON (0)	D. C.	THE PERSON NAMED IN COLUMN 1
CLARKE CORNERS PROPERTY (0)		1778 Lanier Pl.
CLARKE, CORNELIA PHILLIPS (0)	Md.	Hyattsville, Md.
CLINE, ROBERT C. (0)	Va.	McLean, Va.
*CLOVER, NINA (0)	Okla.	1669 Columbia Rd.
COCHEAN, DORIS MABLE (100)	D. C.	2027 1st St.
COCHRAN, DORIS MABLE (100) *COHEN, ELIZABETH (0) COHEN, SAM J. (63)	N. J.	2914 11th St.
COHEN, SAM J. (63)	D. C.	617 K St.
COLEMAN, DONALD GEORGE (85)	Kans.	1762 U St.
†Colflesh, Robert W. (0)	Iowa	615, Y. M. C. A.
COMLEY, LORNE C. (0)	Va.	Cherrydale, Va.
Comley, Lorne C. (0) Conlon, Norman A. (0)	D. C.	3540 11th St.

A THE REAL PROPERTY.

COOPERMAN, HATTIE (68)	Iowa	2510 M St.
CORN, HERBERT FREDERICK (0)	Ill.	1100 Vermont Ave.
*COSTELLO MARY E C (0)	N. Y.	117 R St.
*Costello, Mary E. C. (0) Cottrell, Casper Lehman (101)	Pa.	2140 G St.
COUCHER F. CASPER LEHMAN (101)	D. C.	5346 41st St., Chev
Coughlin, Elva E. (84)	D. C.	
Commen Commen Day (0)	Y 3	D. C.
COYNE, GLADYS DALE (0)	Ind.	The Monmouth
*CRAIGHEAD, RUTH H. (0)	Mass.	1849 Mintwood Pl.
CRATON, MARGARET ELIZABETH	DC	1410 0: 1 04
(0)	D. C.	1410 Girard St.
†Crawford, Marvin (0)	Miss.	318 B St. S. E.
CROGGON, WILLIAM NEWTON (13)	D. C.	1460 Newton St.
CROGGON, WILLIAM NEWTON (13) CROMER, KENNETH (6) †CROSS, IDA CHACE (0)	Va.	1218 11th St.
CROSS, IDA CHACE (0)	Mass.	709 Shepherd St.
CUDDIHY, M. ISADORE (U)	Mich.	Colorado Apts.
†CUMMINGS, FLORENCE (103)	D. C.	1333 Valley Pl. S. E.
"CUTTS, LAURA LOUISE (78)	Wash.	1723 35th St.
DAHL, ANNA (0) DAHL, MYRA (0)	Iowa	624 H St.
DAHL, MYRA (0)	Iowa	624 H St.
DAKE, LUCY RAMONA (0)	Va.	Cherrydale, Va.
DARBY, ROY L. (0)	D. C.	512 Randolph St.
DARBY, ROY L. (0)	Iowa	523 Shepherd St.
Davis, Graham Lee (0) †Day, Helen Marie (0)	N. C.	Y. M. C. A.
DAY, HELEN MARIE (0)	D. C.	2014 North Capitol 8
DEAN, MINNIE F. (2)	D. C.	1778 Lanier Pl.
DEAN, MINNIE F. (2) DEAN, WAIVA A. (44)	Oreg.	1937 Park Rd.
DEBRODES, PAULINE (0)	D. C.	The Portner
DEFREES, RAYMOND G. (114)	Iowa	2425 North Capitol S
DEGRANGE ERANGES E (0)	D. C.	25 U St. N. E.
DeGrange, Frances E. (0) DeJersey, Violet L. (0) Dement, Charles William (12)	Mo.	1342 Vermont Ave.
DEMENT CHAPTER WITTAM (12)	D. C.	1348 Parkwood Pl.
*DENTON DOWNER ADELE (0)	Tenn.	1531 Vermont Ave.
*DENTON, DOTTIE ADELE (0) DICKEY, FREDERICK MORSE (81)	Pa.	1441 Pennsylvania A
DIV OPERATE PROPERTY (10)		3328 O St.
DIX, ORILEE ELIZABETH (16)	D. C.	1360 Spring Rd.
DODEK, SAMUEL MAYER (0)	D. C.	1824 G St.
DOKE, LULA C. (6)	D. C.	
DONLEAVY, MARY AGNES (0)	Vt.	1524 L St.
DOYLE, BLANCHE GLEASON (0)	D. C.	4901 13th St.
Drown, Marion Julia (30)	D. C.	1027 12th St.
DuBose, William J. (14)	D. C.	1850 Kalorama Rd.
DUGGAN, JAMES HENRY (1)	Ga.	1108 13th St.
DUNAGAN, LAURA L. (0)	Ga.	2118 O St.
DUVALL, ELIZABETH VAN HORN	5 0	DOLONG CA NE
(0)	D. C.	304 9th St. N. E.
EARNEST, ELIZABETH (30)	D. C.	2123 N St.
EARNEST, JOHN PAUL, JR. (91)	D. C.	2123 N St.
EARNSHAW, ELEANORE ALLISON		
(01)	D. C.	224 8th St. S. E.
EARNSHAW, SAMUEL WILSON (15)	D. C.	224 8th St. S. E.
EBLING, SAMUEL GALE (105)	Ohio	2127 G St.
ECKEL, ARTHUR FREDERICK (22)	Ill.	Bureau of Standards
ECKERT, ESTHER AGNES (6)	D. C.	3042 Newark St.
AUDICERTON I LATON (II)	D. C.	1016 Massachusetts
EDMONDS, RALPH MILO (0)	D. C.	1904 Jackson St. N. J
EDWARDS, MARION J. (0)	D. C.	118 14th St.
EDMONDS, RALPH MILO (0) EDWARDS, MARION J. (0) EHRET, RUTH G. (0) EINSTEIN M. P. 1997 (101)	N. J.	X-Y Bldg., Govt. Ho
EINSTEIN, MAY BLANCHE (101)		619 19th St.
min Blanche (101)	-1-5	

Chevy Chase, Pl. S. E. tol St. tol St.

ve. Pl. ve. ia Ave. S. E. Rd.

rds tts Ave. N. E. Hotels

ELLIOTT, EDWIN BOYD (0) ELLIOTT, EDWIN BOYD (0) ELLIOTT, JOHN PLUMMER (0) ELLIS, JAMES F. (0) ELLIS, LEE E. (0) *ELMQUIST, JEAN GEMMEL (64) ELY, MARY HANFORD (0) *ENYART, ALTA MARIE (20) George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) †FLAHERTY, PAUL (0) FONDERSMITH, RALPH W. (0) FONDERSMITH, RALPH W. (0) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) FRAKER, BESSIE EVA (0) ELLIOTT, EDWIN BOYD (0) D. C. 3708 Oliver St. 1843 Calvert St. 244 Grant Pl. 224 Grant Pl. 22
ELLIOTT, EDWIN BOYD (0) ELLIOTT, JOHN PLUMMER (0) ELLIS, JAMES F. (0) ELLIS, LEE E. (0) *ELMQUIST, JEAN GEMMEL (64) ELY, MARY HANFORD (0) *ENYART, ALTA MARIE (20) *ERIKSON, BERNHARD E. (104) George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) FALLS, CHARLES D. (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) †FLISHER, LEONORA V. (0) FOLSE, LENARD ROY (0) FORD, JULIA LOUISE (12) FORTER, MARGARET E. (0) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) Md. 1843 Calvert St. 1843 Calvert St. 244 Grant Pl. 2844 Wisconsin Ave. 1720 H St. 22844 Wisconsin Ave. 1720 G St. 1720 G St. 1720 G St. 1720 G St. 1721 Massachusetts Ave. N. E. 2112 F St. 2112 F St. 2010 1st St. 2112 F St. 2010 1st St. 2112 F St. 2113 F St. 2113 F St. 2114 F St. 2115 F St. 2115 F St. 2116 F St. 2117 F St. 2117 F St. 2118
ELLIOTT, EDWIN BOYD (0) ELLIOTT, JOHN PLUMMER (0) ELLIS, JAMES F. (0) ELLIS, LEE E. (0) Ala. 24 Grant Pl. 28 Grant Pl. 28 Grant Pl. 29 Grant Pl. 29 Grant Pl. 20 Grant Pl. 20 Grant Pl. 20 Grant Pl. 21 Grant Pl. 21 Grant Pl. 22 Grant Pl. 23 Grant Pl. 24 Grant Pl. 26 Grant Pl. 27 Grant Pl. 28 Grant Pl. 28 Grant Pl. 29 Grant Pl. 20 Grant Pl. 20 Grant Pl. 21 Grant Pl. 22 Grant Pl. 23 Grant Pl. 24 Grant Pl. 24 Grant Pl. 24 Grant Pl. 25 Grant Pl. 26 Grant Pl. 27 Grant Pl. 28 Grant Pl. 28 Grant Pl. 29 Grant Pl. 20 Grant Pl. 21 Grant Pl. 21 Grant Pl. 21 Grant Pl. 21 Grant Pl. 22 Grant Pl. 24 Grant Pl. 26 Grant Pl. 27 Grant Pl. 28 Grant Pl. 28 Grant Pl. 29 Grant Pl. 20 Grant Pl. 21 Grant Pl. 22 Grant Pl. 24 Grant Pl. 26
ELLIOTT, JOHN PLUMMER (0) ELLIS, JAMES F. (0) ELLIS, LEE E. (0) *ELMQUIST, JEAN GEMMEL (64) ELY, MARY HANFORD (0) *ENGELBERT, ARCHIBALD L. (0) *ENYART, ALTA MARIE (20) George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) *FISHER, LEONORA V. (0) FOIDER, LENARD ROY (0) FORDER, JEAN LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) Md. 1843 Calvert St. 24 Grant Pl. 24
ELLIS, JAMES F. (0) ELLIS, LEE E. (0) *ELMQUIST, JEAN GEMMEL (64) D. C. ELY, MARY HANFORD (0) *ENGELBERT, ARCHIBALD L. (0) *ENYART, ALTA MARIE (20) GERIKSON, BERNHARD E. (104) D. D. C. ERIKSON, BERNHARD E. (104) GEORGE WAShington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) FISHER, LEONORA V. (0) FLISHER, LEONORA V. (0) FOISE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) *Ala. 24 Grant Pl. 284 Wisconsin Ave. 1720 H St. 2112 F
*ELLIS, LEE E. (0) *ELMQUIST, JEAN GEMMEL (64) D. C. ELY, MARY HANFORD (0) *ENGELBERT, ARCHIBALD L. (0) *ENYART, ALTA MARIE (20) D. C. †ERBACH, AMALIA MARIE (0) ERIKSON, BERNHARD E. (104) Ill. George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) Pa. FALLS, CHARLES D. (0) FALLS, CHARLES D. (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) †FLISHER, LEONORA V. (0) FLISHER, LEONORA V. (0) FOOLSE, LENARD ROY (0) FORD, JULIA LOUISE (12) FORSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) Ala. 24 Grant Pl. 2844 Wisconsin Ave. 1720 H St. 22120 G St. 713 Massachusetts Ave. N. E. 2112 F St. 2010 1st St. Vandling, Pa. 1858 Mintwood Pl. 1858 Mintwood Pl. 1858 Mintwood Pl. 1858 Mintwood Pl. 1876 Nebr. 1306 Girard St. 1762 N St. 2013 G St. 2013 G St. 2013 G St. 2014 Grant Pl. 2844 Wisconsin Ave. 2120 G St. 2120 G St. 2120 G St. 2121 F St. 2121 F St. 2212 F St. 2213 G St. 2213 G St. 2213 G St. 2213 G St. 2213 F St. 2213 F St. 2213 G St. 2213 F St. 2213 F St. 2213 F St. 2213 G St. 2213 F St. 2213 F St. 2213 G St. 2213 F St. 2213 G St. 2213 F St. 2213 F St. 2213 F St. 2213 G St. 2213 F St. 2213 G St. 2213 F St. 2213 G St. 2212 G
*Elmquist, Jean Gemmel (64) D. C. Ely, Mary Hanford (0) Pa. *Engelbert, Archibald L. (0) Wis. *Enyart, Alta Marie (20) D. C. †Erbach, Amalia Marie (0) D. C. Frikson, Bernhard E. (104) Ill. George Washington University, D. D. S., 1919 Espey, Anna Louise (0) Pa. Falls, Charles D. (0) Pa. Farrell, Thomas Francis (24) Mass. Fenton, Anna B. (0) Yellaherty, Paul (0) Nebr. Flisher, Leonora V. (0) N. Y. Folse, Lenard Roy (0) La. Ford, Julia Louise (12) D. C. Foster, Margaret E. (0) Md. Glen Echo Heights, Md.
*ELY, MARY HANFORD (0) *ENGELBERT, ARCHIBALD L. (0) *ENYART, ALTA MARIE (20) *ERHACH, AMALIA MARIE (0) ERIKSON, BERNHARD E. (104) George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) EVANS, ROSE E. (0) FAILS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) *ENHERTY, PAUL (0) FLISHER, LEONORA V. (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) *ITOM Wis. Camp Humphreys, Va. 2120 G St. Camp Humphreys, Va. 2120 G St. Camp Humphreys, Va. 2120 G St. 713 Massachusetts Ave. N. E. 2112 F St. Vandling, Pa. 1858 Mintwood Pl. 1858 Mintwood Pl. 1858 Mintwood Pl. 1806 Girard St. 1762 N St. 1763 N St. 1762 N St. 1763 N St. 1762 N St. 176
*ENGELBERT, ARCHIBALD L. (0) *ENYART, ALTA MARIE (20) †ERBACH, AMALIA MARIE (0) Ceorge Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) †FLAHERTY, PAUL (0) FLISHER, LEONORA V. (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) *ENYART, ALTA MARIE (20) D. C. 2120 G St. 713 Massachusetts Ave. N. E 1110 Camp Humphreys, Va. 2120 G St. 713 Massachusetts Ave. N. E 2112 F St. 2112 F St. 2113 Massachusetts Ave. N. E 2112 F St. 713 Massachusetts Ave. N. E 2
*Enyart, Alta Marie (20) D. C. 2120 G St. †Erbach, Amalia Marie (0) D. C. Erikson, Bernhard E. (104) III. George Washington University, D. D. S., 1919 Espey, Anna Louise (0) D. C. 2010 1st St. Evans, Rose E. (0) Pa. Vandling, Pa. Falls, Charles D. (0) Ind. 1858 Mintwood Pl. Farrell, Thomas Francis (24) Mass. Fenton, Anna B. (0) Nebr. 1306 Girard St. †Flaherty, Paul (0) Mass. 1762 N St. Fisher, Leonora V. (0) N. Y. 721 19th St. Folse, Lenard Roy (0) La. 2013 G St. Fondersmith, Ralph W. (0) Ind. Ford, Julia Louise (12) D. C. 328 11th St. N. E. Foster, Margaret E. (0) Md. Glen Echo Heights, Md.
tErbach, Amalia Marie (0) Erikson, Bernhard E. (104) George Washington University, D. D. S., 1919 Espey, Anna Louise (0) Falls, Charles D. (0) Farrell, Thomas Francis (24) Fenton, Anna B. (0) tFlaherty, Paul (0) Flisher, Leonora V. (0) Folse, Lenard Roy (0) Fondersmith, Ralph W. (0) Ford, Julia Louise (12) Foster, Margaret E. (0) Foster, Margaret E. (0) Tolia Julia Louise (12) Foster, Margaret E. (0) Tolia Julia Julia Louise (12) Foster, Margaret E. (0) Tolia Julia Julia Louise (12) Foster, Margaret E. (0) Tolia Julia
ERIKSON, BERNHARD E. (104) Ill. George Washington University, D. D. S., 1919 ESPEY, ANNA LOUISE (0) Pa. Vandling, Pa. FALLS, CHARLES D. (0) Ind. 1858 Mintwood Pl. FARRELL, THOMAS FRANCIS (24) Mass. 1908 H St. FENTON, ANNA B. (0) Nebr. 1306 Girard St. †FLAHERTY, PAUL (0) Mass. 1762 N St. FLISHER, LEONORA V. (0) N. Y. 721 19th St. FONDERSMITH, RALPH W. (0) Ind. 2123 F St. FORD, JULIA LOUISE (12) D. C. 328 11th St. N. E. FOSTER, B. S., Jr. (0) D. C. 2034 F St. FOSTER, MARGARET E. (0) Md. Glen Echo Heights, Md.
George Washington University, D. D. S., 1919 Espey, Anna Louise (0) Evans, Rose E. (0) Falls, Charles D. (0) Farrell, Thomas Francis (24) Fenton, Anna B. (0) The control of the control
D. D. S., 1919 ESPEY, ANNA LOUISE (0) EVANS, ROSE E. (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) †FLAHERTY, PAUL (0) FLISHER, LEONORA V. (0) FOISE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) D. C. 2010 1st St. Vandling, Pa. 1858 Mintwood Pl. 1808 H St. 1908 H St. 1762 N St. 721 19th St. 2013 G St. 1908 H St. 2013 G St. 2013 G St. 2014 E. 2015 F St. 2016 Echo Heights, Md.
ESPEY, ANNA LOUISE (0) EVANS, ROSE E. (0) FALLS, CHARLES D. (0) FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) TFLAHERTY, PAUL (0) FLISHER, LEONORA V. (0) FOISE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) M. C. 2010 1st St. Vandling, Pa. 1858 Mintwood Pl. 1866 Girard St. 1762 N St. 721 19th St. 2013 G St. 2123 F St. 2123 F St. 2234 F St. 328 11th St. N. E. 2034 F St. FOSTER, MARGARET E. (0) Md. Glen Echo Heights, Md.
Evans, Rose E. (0) Falls, Charles D. (0) Farrell, Thomas Francis (24) Fenton, Anna B. (0) Flisher, Leonora V. (0) Folse, Lenard Roy (0) Fondersmith, Ralph W. (0) Ford, Julia Louise (12) Foster, B. S., Jr. (0) Foster, Margaret E. (0) Fall Vandling, Pa. Vandling, Pa. 1858 Mintwood Pl. 1908 H St. 19
FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) FILAMERTY, PAUL (0) FLISHER, LEONORA V. (0) FOLSE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) Mass. 1908 H St. 1306 Girard St. 1762 N St. 721 19th St. 2013 G St. 2013 G St. 2123 F St. 2234 F St. C. 2034 F St. Gelen Echo Heights, Md.
FARRELL, THOMAS FRANCIS (24) FENTON, ANNA B. (0) FILAMERTY, PAUL (0) FLISHER, LEONORA V. (0) FOLSE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) Mass. 1908 H St. 1306 Girard St. 1762 N St. 721 19th St. 2013 G St. 2013 G St. 2123 F St. 2234 F St. C. 2034 F St. Gelen Echo Heights, Md.
Fenton, Anna B. (0) †Flaherty, Paul (0) Flisher, Leonora V. (0) Folse, Lenard Roy (0) Fondersmith, Ralph W. (0) Ford, Julia Louise (12) Foster, B. S., Jr. (0) Foster, Margaret E. (0) N. Y. 1306 Girard St. 1762 N St. 22013 G St. 22013 G St. 2123 F St. D. C. 328 11th St. N. E. D. C. 2034 F St. Glen Echo Heights, Md.
†Flaherty, Paul (0) Flisher, Leonora V. (0) Folse, Lenard Roy (0) Fondersmith, Ralph W. (0) Ford, Julia Louise (12) Foster, B. S., Jr. (0) Foster, Margaret E. (0) Mass. 1762 N St. 721 19th St. 22013 G St. 1762 N St. 721 19th St. 2203 G St. 2123 F St. D. C. 2223 F St. D. C. 2238 11th St. N. E. Glen Echo Heights, Md.
FLISHER, LEONORA V. (0) FOLSE, LENARD ROY (0) FONDERSMITH, RALPH W. (0) FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) N. Y. 721 19th St. 2013 G St. 2123 F St. D. C. 328 11th St. N. E. D. C. 2034 F St. Glen Echo Heights, Md.
Folse, Lenard Roy (0) Fondersmith, Ralph W. (0) Ford, Julia Louise (12) Foster, B. S., Jr. (0) Foster, Margaret E. (0) La. 2013 G St. 2123 F St. 228 11th St. N. E. D. C. 2034 F St. Glen Echo Heights, Md.
FONDERSMITH, RALPH W. (0) Ind. 2123 F St. FORD, JULIA LOUISE (12) D. C. 328 11th St. N. E. FOSTER, B. S., Jr. (0) D. C. 2034 F St. FOSTER, MARGARET E. (0) Md. Glen Echo Heights, Md.
FORD, JULIA LOUISE (12) FOSTER, B. S., JR. (0) FOSTER, MARGARET E. (0) D. C. 328 11th St. N. E. 2034 F St. Glen Echo Heights, Md.
FOSTER, B. S., JR. (0) D. C. 2034 F St. Glen Echo Heights, Md.
FOSTER, MARGARET E. (0) Md. Glen Echo Heights, Md.
FREEDMAN, ALEXANDER (0) D. C. 3128 19th St.
*Freeman, Susan Elizabeth (0) N. C. 1018 14th St.
*Freil, Gertrude Gabriel (0) N. Y. 190, S. W. & N. Bldg.
FREY, JOHN CHARLES (29) Ind. Y. M. C. A.
FROST, BEULAH MALVINA (30) Minn. 1725 T St.
FUNK, CLARA LINN (0) Ky. 115 S St.
*GALLOWAY, RALPH E. (100) Va. Walter Reed Hospital
GARDNER, ALLEN HOWARD (0) Penn. 1421 Buchanan St.
*Gardner, Beryl G. (0) Penn. 515 Rock Creek Church Rd.
GARNETT, JOSEPH F. (0) Ky. 1533 15th St.
GEITNER, FRANCES ROYER (0) N. C. 1401 Massachusetts Ave.
*George, Mary Vincent (12) D. C. 513 East Capitol St.
Thomas, Make There (12) D. C. Old Dast Capitol St.
Gerry, Marjorie S. (0) D. C. 2944 Macomb St.
GERRY, MARJORIE S. (0) D. C. 2944 Macomb St. GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave.
GERRY, MARJORIE S. (0) D. C. 2944 Macomb St. GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave.
GERRY, MARJORIE S. (0) D. C. 2944 Macomb St. GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave.
GERRY, MARJORIE S. (0) D. C. 2944 Macomb St. GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) D. C. 2944 Macomb St. 1222 Connecticut Ave. 3123 13th St. 2023 G St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. GESSFORD, ELEANOR (0) D. C. 3123 13th St. GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) D. C. 6812 Laurel Ave., Takoma Park, D. C. GIRTS, MAXINE LUCILE (0) Penn. 1434 Harvard St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. GESSFORD, ELEANOR (0) D. C. 3123 13th St. GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) D. C. 6812 Laurel Ave., Takoma Park, D. C. GIRTS, MAXINE LUCILE (0) Penn. 1434 Harvard St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARJON (24) D. C. 2944 Macomb St. 1222 Connecticut Ave. 1222 Connecticut Ave. 1223 G St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARJON (24) D. C. 2944 Macomb St. 1222 Connecticut Ave. 1222 Connecticut Ave. 1223 G St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARION (24) *GLADSTONE, NEWTON ABEL (0) GLASSFORD, MARY C. (0) *GLASSFORD, MARY C. (0) D. C. 2944 Macomb St. 1222 Connecticut Ave. 2023 G St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St. 1748 8th St. 3639 13th St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARION (24) *GLADSTONE, NEWTON ABEL (0) GLASSFORD, MARY C. (0) *GLAZAT, VIOLA F. (0) GESSFORD, MARY C. (20) GESCHICKTER, CHARLES (86) D. C. 2944 Macomb St. 22946 Macomb St. 1222 Connecticut Ave. 2023 G St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St. 1748 8th St.
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GIESTORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARION (24) *GLADSTONE, NEWTON ABEL (0) GLADSTORE, NEWTON ABEL (0) CGLAZAT, VIOLA F. (0) GLENN, DAISY MARIE (9) D. C. 2944 Macomb St. 2222 Connecticut Ave. 3123 13th St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St. 1748 8th St. 1748 8th St. 3639 13th St. The Gordon
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GIESTORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARION (24) *GLADSTONE, NEWTON ABEL (0) GLADSTORE, NEWTON ABEL (0) CGLAZAT, VIOLA F. (0) GLENN, DAISY MARIE (9) D. C. 2944 Macomb St. 2222 Connecticut Ave. 3123 13th St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St. 1748 8th St. 1748 8th St. 3639 13th St. The Gordon
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. 3123 13th St. GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARJON (24) *GLADSTONE, NEWTON ABEL (0) GLASSFORD, MARY C. (0) GLOCK, SOL S. (110) GODBOLD, ALBEA (31) MISS. BU. 2944 Macomb St. 1222 Connecticut Ave. 1222 Connecticut A
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESSFORD, ELEANOR (0) GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARION (24) *GLADSTONE, NEWTON ABEL (0) GLADSFORD, MARY C. (0) GLADSTONE, MARY C. (0) THO GORDON GLUCK, SOL S. (110) D. C. 2944 Macomb St. 1222 Connecticut Ave. 2023 G St. 6812 Laurel Ave., Takoma Park, D. C. 1434 Harvard St. 1434 Harvard St. 1748 8th St. 1748 8
GERRY, MARJORIE S. (0) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) GESCHICKTER, CHARLES (86) D. C. 1222 Connecticut Ave. 3123 13th St. GILLIGAN, WILLIAM (80) GIRDNER, WILLIAM WALDO (0) GIRTS, MAXINE LUCILE (0) †GLADSTONE, JOSEPH MARJON (24) *GLADSTONE, NEWTON ABEL (0) GLASSFORD, MARY C. (0) GLOCK, SOL S. (110) GODBOLD, ALBEA (31) MISS. BU. 2944 Macomb St. 1222 Connecticut Ave. 1222 Connecticut A

Goodrich, Llewellyn L. (0)	Mo.	201 I St.
Gordon, Isidor (0)	Md.	Riverdale, Md.
GRACE, ELIZABETH (0)	Ala.	720 4th St. N. E.
†Granger, Elizabeth M. (0)	Mo.	3722 New Hampshire Ave.
*Gras, Beulah M. (0)	Iowa	20th and P Sts.
Grass, Edward Jacob (0)	D. C.	2024 I St.
	Md.	5 Leland St. Chevy Chase,
†Gravatt, Frances E. (100)	ANICA.	Md.
GREENE, LEMUEL E. (101)	La.	2715 14th St.
*GREGG, ALEXANDER	A.oct.	21 10 1 101 DV
WHITE (101)	Texas	1333 15th St.
GROCK, NELLIE HAZEL (0)	D. C.	Takoma Park, D. C.
GRONNA, ARTHUR J. (62)	N. Dak.	2219 California St.
GRUNWELL, MARY	Att. Apress.	wall Clean Country of
ELIZABETH (0)	Md.	924 23d St.
GUILFORD, ANNE E. (51)	D. C.	401 D St.
HADDAWAY, KLEIN	2. 0.	202 20 200
Kinzer (91)	Md.	2504 Garrison Ave.
22112011 (01)		Baltimore, Md.
HADDEN, HELEN FRANCES (10)	Md.	17 Grafton St.
The state of the s		Chevy Chase, Md.
*HAFFLY, EDITH (0)	Pa.	1035 Lamont St.
HAGAN, JONATHAN FOSTER (15)	Va.	Ballston, Va.
HALDERMAN, DANIEL	* 651	
LUTHER (0)	Penn.	2040 F St.
†HALL, THERESA (0)	Ky.	219 East Capitol St.
HANNA, ANTTA BELLE (73)	Ind.	1202 18th St.
HANNA, ANITA BELLE (73) HANNA, MARK (0)	Ind.	1333 15th St.
HANSON, EDWARD J. (42)	N. C.	1333 15th St.
HANSON, EDWARD J. (42) HARDY, MAX (54)	Colo.	429 New Jersey Ave.
*†HARLIN RUTH E. (0)	Minn.	309 A St. S. E.
HARLOW, W. FRANK (0)	Md.	Brentwood, Md.
*†HARLIN, RUTH E. (0) HARLOW, W. FRANK (0) †HARRIS, SAMUEL		
BEVERIDGE (0)	D. C.	Y. M. C. A.
*†HARRISON, FORREST	300	
MARTIN (60)	D. C.	1705 Kenyon St.
M. D., 1914, George		
Washington University		
HARVEY, ROSAMOND		
Frances (88)	D. C.	2007 F St.
*HARVEY, WILLIAM		
McKenzie (9)	D. C.	Kenilworth, D. C.
HASTINGS, GEORGE S. (68)	D. C.	3600 Ordway St.
*HATCHER, JAMES C. (24)	Ala.	1907 G St.
*HATCHER, JAMES C. (24) HAWORTH, ELLIS (0)	D. C.	132 13th St. S. E.
HAYES, ARTHUR WALKER (25)	D. C.	3558 16th St.
HAYNES, WILLIAM PRESTON (60)		Alexandria, Va.
HAYS, CATHRYN MARY (0)	Mo.	1340 Fairmont St.
HAZELL, JOSEPH W. (33)	D. C.	1339 K St.
IMEDDEN. RUTH MARIE (49)	D. C.	1908 Belmont Rd.
HELMICK, DOROTHY P. (0)	D. C.	5411 Illinois Ave.
HENDERSON, EDWARD		
PORTER (0)	Ohio	Marine Headquarters
HENDON, ROBERT R., JR. (55)	Okla.	1843 Calvert St.
HENDON, ROBERT R., JR. (55) HENRY, LULA (16)	D. C.	1919 K St.
HENSHALL, LAWRENCE		
DECKER (14)	Penn.	1333 15th St.

HERBST, MILDRED LOUISE (30)	D. C.
HERSEY, SAMUEL	
FREEMAN (106)	Iowa
HILL, HAZEL RAE (0)	Mich.
HILL, HAZEL RAE (U)	Md.
HILL, IRA B. (17)	N. C.
HILTON, OLIN LLOYD (0)	Ala.
HINEMON, EUGENIA (0) HOBBS, DOROTHY F. (0)	D. C.
HOBBS, DOROTHY F. (U)	D. C.
*Hobbs, Pauline Bowen (61)	D. C.
HOCKER, FRANCES W. (0)	Penn.
HOFFMAN, HERMAN S. (37)	Md.
HOGG, SARA (103) HOLLIS, LAWRENCE COE (14)	Ga.
HOLMAN JESSE NELL (0)	Va. Ala.
HOLMAN, JESSE NEIL (0) HOLMES, OLIVER W. (9) HOLMES, RUTH EMILY	D. C.
HOLMES, CHIVER W. (6)	D. C.
VIRGINIA (0)	Md.
HOPKINS, JOY (67)	Va.
HOPKINS, JOY (67) *HORN, GLADYS W. (0) †HORNADAY, FRED E. (0)	N. J.
†HORNADAY, FRED E. (0)	D. C.
HORWITZ, ALEC (90)	D. C.
Hosford, Helen R. (54)	Iowa
HOSFORD, HELEN R. (54) HOUSTON, MARY	
JOSEPHINE (0)	D. C.
HOWARD, DEANE CHILDS (70)	D. C.
HOWELL, HERBERT E. (0)	Mich.
HOWELL, JOSEPH ADAMS (0)	Ala.
JOSEPHINE (0) HOWARD, DEANE CHILDS (70) HOWELL, HERBERT E. (0) HOWELL, JOSEPH ADAMS (0) HUDSON, FRANCES M. (0) HUFF, CHARLES R. (66)	Mo.
HUFF, CHARLES R. (66)	Minn.
HUNSICKER, ANNA PEARL (45) HUNT, ADA M. (63)	Ind.
HUNT, ADA M. (63)	D. C.
HURLEY, FITZHUGH L. (0) HUSE, FAY IRENE (93)	N. C.
HUSE, FAY IRENE (93)	Mont.
	D. C.
JACKSON, LAWRENCE	0.1
Uscar (112)	Colo.
JACKSON, WILLIAM ISAAC (56)	III.
LACORS MARY E. (0)	Wis.
Jackson, Lawrence Oscar (112) Jackson, William Isaac (56) Jacobs, Mary E. (0) Jacobs, Merlin Edwin (0) Jacobson, Robert Louis (0)	D. C.
LOHNOON A IT (O)	Wis.
JOHNSON RETUAN A (O)	Mich. Wis.
OHNSON EDWARD H (20)	
Johnson, Alva H. (0) Johnson, Beulah A. (0) Johnson, Edward H. (20) Johnson, Ethel May (58) Johnson, Lester Wylie (0) Johnson, Marshall	Texas Penn.
OHNSON, LESTER WYLLE (O)	Ill.
Johnson, Marshall	4.11.
	La.
OHNSON, RUSSELL M. (0)	Minn.
OHNSON, RUSSELL M. (0) OHNSON, WILLIAM JOSEPH (0) OHNSON, YEBA (36) OHNSTON, FRANCIS E. (76) OHNSTON, KENNETH A. (23) ONES. EVELYN WELLINGTON (32)	Mass.
OHNSON, YEBA (36)	Ky.
OHNSTON, FRANCIS E. (76)	Va.
OHNSTON, KENNETH A. (23)	DC
ONES, EVELYN WELLINGTON (33) ONES, FRANCIS MARION (46)	D. C.
ONES, FRANCIS MARION (46)	D. C.
ONES, MINNIE (30) UDD, ELEANOR C. (28)	D. C. D. C.
UDD, ELEANOR C. (28)	D. C.

105 D St. N. E.
433 Q St.
408 3d St.
1025 G St. N. E.
1751 P St.
1717 35th St.
3705 24th St.
The Beacon
22 2d St. N. E.
Brentwood, Md.
1401 Columbia Rd.
1218 11th St.
147, House Office Bldg.
830 Otis Pl.

1032 25th St.

Rockville, Md. 7106 Piney Branch Rd. 1333 Fairmont St. 1419 Newton St. 916 4½ St. S. W. 606 Quincy St.

1750 S St. 1801 16th St. 34 T St. 224 1st St. 1024 Vermont Ave. 1916 16th St. 1919 G St. 2727 Ontario Rd. Y. M. C. A. Wardman Park Inn 3401 16th St.

17 T St. N. E. Y. M. C. A. 1473 Harvard St. 517 L St. 2030 G St. 1310 Delafield Pl. 1104 M St. 32 G St. S. W. 1207 Emerson St. 309 New Jersey Ave.

3106 Mt. Pleasant St. 1100 Vermont Ave 232 1st St. S. E. 5100 14th St. Alexandria, Va. The Kenyon 3719 Keckuk St. The Kenyon 122 D St. S. E. Monmouth Hotel

N. Dak. Ill.

Minn.

Kansas

Judge, Anastasia G. (0)	D. C.
KALUPY, HARRY HAROLD (67)	La.
KAPLOVITZ, REBECCA (46)	N. J.
KAR, A. KENNETH (0)	D. C.
KEEGIN, S. WARWICK (0)	D. C.
*KEENER, U. GRANT (8)	Okla.
KEISER, CLARENCE CYRUS (6)	Md.
KELL, GERTRUDE C. (0)	Kan,
†KELLOGG, GRACE ELIZABETH (0)	D. C.
KELLY, HOMER BLAINE (95)	Mass.
KELLY, RICHARD	
ALEXANDER (122)	Va.
Kelsey, Bernice (0)	D. C.
KENNEDY, LILLIAN	
ELIZABETH (0)	Mo.
KENNEY, MARY BRYAN (0)	Del.
*Kerig, Florence Dwan (0)	Mass.
KINCAID, CALVIN B. (0)	Tenn.
*†King, Stella M. (0)	D. C.
KINGSBURY, DOROTHY E. (6)	Mich.
KLING, MARGARET AIMEE (0)	III.
†KNAPP, ARTHUR LYMAN (0)	D. C.
KRAUSE, LAURA MAGDALENA (0)	Nebr.
KUNKEL, RUTH LEE (0)	D. C.
LACEY, ANNA JANNETTE (0)	Md.
LADD, DOROTHY DEVEREAUX (0)	Md.

LaMoore, Parker (0)	N. Da
LANDERS, MARY J. (0)	Ill.
Landers, Mary J. (0) Lane, Eleanor (70)	D. C.
LANE, RUSSELL C. (0)	N. Y.
*Langin, James J. (0)	Iowa
LARSON, SWAN ALFRED (52)	Minn.
LAW, THOMAS WILBUR (0)	Fla.
LAZARO, HELOISE (79)	La.
LEE, AGNES IRENE (36)	D. C.
LEE, ELIZABETH L. (0)	D. C.
LEEDY, NELLIE GRACE (3)	Mo.
LEIDEN, CYRIL E. (0)	Pa.
LESTER, M. MARY (72)	Va.
LEWIS, STUART (-)	III.
*LIDE, LEWIS MAXWELL (138)	D. C.
LINDOW, OSCAR H. (85)	Wis.
LINDSAY, FRED H. (0)	Okla.
LITTLE, NELSON (99) LITTLE, DONALD (0)	Ind.
LITTLE, DONALD (0)	Kansa
LITTLEHALES, GEORGE	
REBER (15)	D. C.
LONG, FLORENCE ADELAIDE (0)	Va.
Long, Georgia A. (0)	D. C.
TLONG, WILLIAM RODNEY (0)	Mass.
LORD, ISAAC QUACKENBUSH (0)	D. C.
Louis, Max C. (34)	D. C.
LOVE, DOUGLAS WILDING (0)	Utah
Ludlow, Marjorie (0)	D. C.
LUNDSTROM, FRANK O. (94)	Colo.
Lyon, Quinter Marcellus (84)	D. C.

116 V St. N. E. 2020 G St. 1336 Newton St. N. E. 2622 11th St. 1704 Lamont St. 1333 15th St. Bethesda, Md. 1116 Vermont Ave. 36 Rhode Island Ave. N. E. Fontanet Courts

1312 Fairmont St. 1712 Allison St.

105 5th St. N. E. 2031 F St. 1800 I St. 630 Keefer Place 819 Kennedy St. 17 Adams St Monmouth Hotel 714 Rock Creek Church Rd. 641 Maryland Ave. N E. 2510 Wisconsin Ave. Washington Grove, Md. 6109 Brookville Rd. Chevy Chase, Md. 213 4th St.

2906 H St 819 19th St. 1719 G St. 2130 O St. 1354 Fairmont St. Falkstone Courts 327 10th St. N. E. 2818 13th St. N. W 201 East Capitol St. 1120 13th St. 2114 G St. 1100 Vermont Ave. 219 14½ St. N. E. 513 22d St. 504 F St. N. E. 3149 Mt. Pleasant St. House Office Bldg.

1750 S St.

2132 Le Roy Place 526 Queen St., Alexandria. Va. 124 R St. N. E. 1762 M St. N. W. 1336 Newton St. N. E. 47 Quincy Place N. E. 1439 Rhode Island Ave. 1908 O St. 1908 Q St. 231 E St. 636 S. Carolina Ave. S. E.

McCabe, William L. (0)	Utah	2622 11th St.
McCaslin, Frank E. (0)	Minn.	1801 G St.
McCauley, Katherine		
CHRISTINE (0)	D. C.	1353 Maple View Pl. S. E.
McChesney, Frank Marks (70)) D. C.	129 Randolph Pl.
McCLINTOCK, LAURA	D.	71 - 0 4 .
McClurg, Alice (0)	Pa. Ind.	The Octavia
McCollum, Ruth (0)	S. Dak.	1527 O St. 931 K St.
McCormick, Justine	B. Dak.	931 A St.
LUCILLE (0)	Ind.	5408 9th St.
McCoy, Harold D. (0)	Wis.	30 Elm Ave.
		Takoma Park, D. C.
†McCoy, WILLIAM F. (0)	D. C.	1916 16th St.
McCullough, M. Ruth (0) McDannel, Lucy	Pa.	1419 Columbia Rd.
IMCDANNEL, LUCY	20 00	
CHURCHILL (0)	D. C.	Wardman Park Hotel
McElroy, Catherine Frances (0)	Mann	2400 11 1 3
McGrew, Martha Steele (82)	Mass. Tenn.	3400 Macomb St.
McIntyre, Joseph D. (38)	D. C.	1363 Fairmont St. 2209 M St.
McKendree, Laurette (44)	D. C.	1807 Riggs Place
McKenzie, Doris (61)	D. C.	2118 F St.
McKoy, Francis K. (62)	N. C.	2029 H St. N. W.
McMillan, Frances		2020 11 00. 14. 44.
LUCILLE (98)	Tenn.	3815 14th St.
McNeill, Marvin C. (0)	III.	Y. M. C. A.
MCNITT, H. ARNOLD (0)	Md.	Berwyn, Md.
McNitt, H. Arnold (0) McNitt, H. J. Russell (0)	Md.	Berwyn, Md
MICPHERSON, JOE FRANCIS (())	Mo.	House Office Bldg.
MICHERSON, JOHN VERNON (())	Mo.	House Office Bldg.
MCQUILKIN, MARGARET M. (0)	III.	5413 Illinois Ave.
MAGUE, ROSCOE EDWIN (36)	Mass.	1603 G St. S. E.
MALONE, LILLIAN (60)	Va.	408 Duke St., Alexandria, Va.
MANKEY, HELEN LAURA (30)	D. C.	2914 11th St.
Manning, Thomas Ray (114) Manning, Vannoy H., Jr. (0)	Pa.	22 2d St. N. E.
MARKIEV MAY ADDITION (20)	D. C.	3602 Newark St.
MARKLEY, MAY ADELLE (39) MARKRITER, FRANK B. (0)	D. C.	136 F St. S. E.
MARTHINSON DETLOW M (100)	D. C.	1758 U St.
MARTHINSON, DETLOW M. (100) †MARTINEZ, MERCEDES (61)	D. C.	Theta Delta Chi House
*MARVIN, ROBERT WALDO (0)	P. R. D. C.	1224 13th St.
Mason, John Russell (18)	D. C.	324 Taylor St.
MASSEY, LINTON REYNOLDS (3)	D. C.	808 9th St. N. E. 1844 Kenyon St.
MASSEY, MARK F (0)	Kansas	918 23d St.
MATHENY, MARY F. (0)	Texas	338 Maryland Ave. N. E.
MAUL, SARAH ELIZADETH (72)	D. C.	Hyattsville, Md.
MAUPIN, HARRY DOMER (0)	D. C.	1420 Longfellow St.
MAY, RUTH ELIZABETH (0)	Md.	Berwyn, Md.
MEHLIG, MAY O'ROURKE (0)	D. C.	1726 Mass Ave.
MELOON, IVY CARMEN (89)	Mass.	V-W Bldg, Govt. Hotels.
MERDIAN, BERTHA (0)	Ill.	324 5th St. S. E.
MERRICK, MANILA C. (6) MERRILL, LOTTIE (0)	Iowa	1017 12th St.
MERRIMAN, ERVIN EUGENE (51)	N. Y.	1531 Vermont Ave.
MESSER, AGNES HENDERSON (0)	Ind.	400 M St. N. E.
METZEROTT, GERTRUDE (89)	D. C.	3504 Macomb St.
(00)	D. C.	The Northumberland

The state of the s

METZEROTH, MARGARET (64)	D. C.	119 12th St. S. E.
MIKERKA ROSALIE (46)	Texas	10 New York Ave.
MIKESKA, ROSALIE (46) MILLER, NELSON A. (0)	D. C.	1836 North Capitol St.
MILLER, PHILIP (0)	N. Y.	1103 9th St.
Mills, Agnes J, (3)	Colo.	1337 Park Road
MILLS, EDDIE LANCE (102)	Texas	2421 Penn. Ave.
MILLS, HELENA JANE (0)	Md.	R-S Bldg, Govt. Hotels
MINED HELENA JANE (U)	Ohio	1613 Irving St.
MINER, HELEN (108)	D. C.	7 Melrose St.
*MITCHELL, HAROLD E. (0)	D. C.	Chevy Chase, D. C.
Memorras II.	Mo.	2400 16th St.
MITCHELL, HARRIETTE (0)	-	Service S N. S. A. A.
MONCURE, ELIZA M. (0) MONDELL, DOROTHY (45)	D. C. Wyo.	Woodworth Apts. 2110 O St.
MONTOCHER ES OF M (0)		3302 N St.
MONTGOMERY, ELSIE M. (0)	D. C.	0002 N St.
MONTGOMERY, JIMMIE	A1-	3459 Holmead Pl.
ETHEL (104)	Ala.	
Moore, Margaret M. (20) Moore, Mildred	Mo.	101 North Carolina Ave. S. E
MICORE, MILDRED	DO	111 Town Asso N F
JOSEPHINE (95)	D. C.	111 Tenn. Ave. N. E.
MOORE, MYRTLE E. (0)	Texas	215 9th St. S. W.
MOREHOUSE, MORTIMER	Da	1506 () 84
BRYAN (34)	D. C.	1526 O St.
MORRELL, FOSTER (0)	Ohio	4729 13th St.
*Morrison, Ralph	202	1007 IT C4
LANCASTER (0)	Md.	1335 H St.
Morrow, Clara Allen (40)	D. C.	Wardman Park Inn.
MORSE, MARY E. (0)	N. Y.	808 Upshur St.
MOSKIVITE, ADOLPH (63)	D. C.	1329 S St.
MOTTERN, ALBERT JOSEPH (58)	Ohio	2517 Wisconsin Ave.
MOULTON, EDWARD B. (0)	III.	1419 Girard St.
MUDGETT ROBERT S (II)	Mich.	1219 Delafield Place
MUNCEY, ARIANA (II)	Fla.	56 Seaton Place
	III.	Swiss Legation
WURRAY, ANNA (())	D. C.	1317 Farragut St.
Mussman, Michael Angelo (0) *Myers, Frank Hammett (30)	Pa.	438 H St.
MYERS, FRANK HAMMETT (30)	D. C.	3754 McKinley St.
"ALL, ARTHUR ERNEST (2)	Texas	1333 15th St.
INAYLOR, ESTILI, Ess (62)	Mo.	1736 G St.
LVELMS, HENNING		
CUNNINGHAM (94)	D. C.	1121 12th St.
NELSON, AGNES CHRISTINE (91)	N. Dak.	2524 17th St.
ALEWMAN, HARRY WRIGHT (44)	D. C.	1739 P Street
NEWMAN, LINN ALBERTA (28)	Ind.	House Office Bldg.
NEWMAN, RAYMOND W. (0) NICHOLS, HENRY JANNEY (109)	Calif.	Bureau Animal Industry
NICHOLS, HENRY JANNEY (109)	D. C.	1842 Calvert St.
- TABLE CLARE PRETM (II)	D. C.	23 V St. N. E.
TREN. PHILIP (II)	Wash.	713 21st St.
	Pa.	236 L-M Bldg. Govt. Hotel
*OLIVER, FRED NASH (118)	Texas	Walter Reed Hospital
*OLIVER, FRED NASH (118) *PABST, HELEN GERTRUDE (30) †PACKER FARY I (26)	D. C.	4622 15th St.
	Iowa	1523 L St.
	D. C.	1726 Euclid St.
*Page, Nannie Tyler (0)	D. C.	220 Wootton Ave.
		Chevy Chase Station
PALMER, J. JOSEPH W. (0)	D. C.	84 V St.
TALUMAN LANDIOSO P (III)	D. C.	Alabama Apts.
PARHAM, JULIA A. (—)	Texas	2112 F St.
, o case 25. ()		

PAULUCCI, JOSEPH W. (0)	Ohio	Walter Reed Hospital
PAZOUR, MARIE (24)	S. Dak.	1520 P St.
PEARSON, ESSIE LEE (0)	D. C.	22 Channing St.
PERLIN, HARRY (100)	Conn.	2219 H St.
Depression Carrier (0)		
PERLSTEIN, SAMUEL (0)	D. C.	105 6th St.
PERROTT, DOROTHY (0)	N. Dak.	1311 P St.
PERRY, IRENE ERSKINE (0)	Fla,	1414 16th St.
*Pessin, Joseph (0)	Iowa	434 10th St.
PETERSON, CAROLINE E. (0)	Calif.	Bureau Medicine and Surgery
		Navy Dept.
PETERSON, CHARLES		
Frederick (37)	Md.	U. S. Capitol Police
PETERSON, MABEL E. (0)	N. Dak.	1357 Montague St.
PETERSON, ROBERT K. (0)	Va.	Lenox Apts.
†PETERSON, WILLIAM		and the second
WALTER (43)	D. C.	1919 Calvert St.
	Mich.	2141 K St.
PHILIPS, ROSE B. (8)	WHICH.	2141 K St.
PHILLIPS, RUTH	D. C.	OT Trackson Assa
SUTHERLAND (96)	D. C.	87 Eastern Ave.
B G (04)	DG	Takoma Park, D. C.
PHILLIPS, SHELBY C. (24)	D. C.	1357 Girard St.
PHOEBUS, GLADYS EDITH (44)	D. C.	1925 North Capitol St.
Pickering, Grace (0)	Ind.	The Toronto
PITCHER, LOIS (35)	D. C.	3910 McKinley St.
POLLNER, NONA BETTE (98)	D. C.	3200 Park Place
Pope, Darwin Jesse (85)	D. C.	3214 Newark St.
POPE, GLADYS ANNA (0)	D. C.	3214 Newark St.
PORTER, BESSIE J. (11)	Neb.	1128 New Hamp. Ave.
PORTER, GEORGE BOUTIN (0)	D. C.	1601 31st St.
PORTER, RAYMOND W. (0)	Okla.	
Powell, Mary Louise (24)	D. C.	Glen Echo, Md.
Description March 1986 (24)	D. C.	628 6th St. N. E.
PREINKERT, MARGARET	Da	ARMA T CU
MARIE (77)	D. C.	1511 L St.
PRESCOTT, OLIVE (63) PROBEY, THOMAS F. (84) PROTAS, MAURICE (56)	D. C.	The Burlington
PROBEY, THOMAS F. (84)	D. C.	3158 O St.
PROTAS, MAURICE (56)	D. C.	1314 13th St.
Pulliam, Robert W. (6) Pusey, Elmer M. (6)	N. C.	1419 Chapin St.
PUSEY, ELMER M. (6)	D. C.	127 T St.
PUTNAM, AMY D. (0)	N. J.	3033 15th St.
PUTNAM, AMY D. (0) *QUINN, HERBERT E. (0)	Texas	71 New York Ave.
RAMSEY, ELIZABETH RUTH (0)	Va.	Rosslyn, Va., R. F. D.
RAMSEY, ELIZABETH RUTH (0) RAMSEY, MARGARET C. (0) RANCK, JAMES BYRNE (71)	D. C.	813 Mass. Ave. N. E.
RANCE JANES BYDNE (71)	D. C.	1405 15th St.
RAYMOND DORONNY CHOPGE (0)		
RAYMOND, DOROTHY GEORGE (0)	D. C.	1501 Harvard St.
REDINGER, CARL CHALMERS (0)	W. Va.	2102 N St.
REED, FRED CASSIUS (12)	D. C.	804 17th St.
REED, MABEL C. (0)	D. C.	1922 1st St. N. E.
REED, PAUL CLINTON (15)	La.	House Office Bldg.
REESE, WILLIAM E. (18)	D. C.	1826 M St.
*KEEVES, GEORGE		
Torreyson (110)	Va.	Ballston, Va.
REGAN, RUTH (0)	Minn.	1425 Harvard St.
REGAN, RUTH (0) REID, NEAL EWART (0)	N. Dak.	213 4th St. S. E.
REINBOTH, JOHN FRANKLIN (37)	Ill.	2128 H St.
REITZEL, ALBERT EMMET (105)	N. C.	1311 L St.
REITZEL, ALBERT EMMET (105) *RELF, DOROTHEA	11.0.	Toll D St.
LIVINGSTON (0)	DC	2427 1445 St
211211021021 (0)	D. C.	3427 14th St.

and the same

REPROVED OF THE ACTION	200	#00 TO!
REYNOLDS, OLIVE AMRITA (90)	D. C.	503 River Road
PHONES MARION		Chevy Chase, D. C.
†RHODES, MARION	3.6	1008 1011 01
BENJAMIN (68)	Mo.	1627 19th St.
RICHARDS, MIRIAM GREY (6)	Md.	9 West Irving St.,
Drom M. TT (6)	70.00	Chevy Chase, Md.
RICHARDSON, MARY HUME (0)	D. C.	132 East Capitol St.
RIGGS, FLORENCE M. (0)	N. Y.	308 Second St. N. E.
ROACH, JESSIE D. (0)	Ill.	2633 Adams Mill Rd.
ROBB, SEYMOUR (0)	D. C.	1131 7th St. N. E.
ROBERTS, EDNA JANE (0)	D. C.	P-Q Bldg, Government
		Hotels
ROBERTS, MARY C. (0)	Ohio	1434 Q St.
*Robinson, Harry H. Jr., (0) Robinson, Mary Ann (0) Robsian, Daisy S. (0) Robbiouss, Harry J. (0)	Fla.	Y. M. C. A.
ROBINSON, MARY ANN (0)	Miss.	728 3d St.
ROBSIAN, DAISY S. (0)	Ky.	106 C St. S. E.
RODRIGUEZ, HARRIS J. (0)	La.	2006 F St.
ROGERS, SAM LYLE, JR. (0)	N. C.	
ROONEY WILLIAM EDINGS (21	Moss.	3610 Macomb St.
ROONEY, WILLIAM FRANCIS (21 RORER, JULIA H. (0)) Mass.	729 20th St.
ROSENENSCE TARREST A (0)	D. C.	1800 K St.
ROSENBUSCH, LLOYD A. (0)	D. C.	3336 P St.
ROSINSKI, GERTRUDE L. (0)	D. C.	1216 K St.
ROWAN, BLANCHE (0)	lowa	1410 11th St.
Rowe, James M. (0)	D. C.	1401 Columbia Road
ROWLEY, FRANK SMITHERS (0)	Tenn.	Cherrydale, Va.
ROWLEY, FRANK SMITHERS (0)	D. C.	616 Harvard St.
LOTER, JOSEPH PAUL (17)	Ohio	1500 20th St.
RUDDIMAN, MINNETTE		
LIONNER (II)	D. C.	1647 Lamont St.
RUMMEL, ALICE L. (0)	Pa.	2117 O St.
*Ryan, Edward Thomas (15) Ryan, Florence L. (0)	-	
RYAN FLORENCE I (0)	Conn.	1811 G St.
RYAN, RICHARD L. (0)	Ind.	919 18th St.
SAGE LODGE E (0)	D. C.	1215 Euclid St.
*SAGE, LORETTA F. (0)	Mich.	The Octavia
SANDBORN, ELIZABETH (108)	Kansas	1526 O Street
SAPP, CLARA P. (0)	Kansas	1007 Mass Ave.
SAVAGE, ROBERT LEE (0)	D. C.	712 Upshur St.
SAWYER, VERA C. (0)	N. Y.	127 Rock Creek Church Rd.
SAWYER, VERA C. (0) SCHAAF, MARTHA ELIZABETH, (94 SCHAUWEEE MUDDEN)D. C.	1824 Monroe St.
WILLIAM WILLIAM CO.		
MIRIAM (129)	Ohio	1873 California St.
SCHELLFEFFER FRANK (107)	Ill.	1108 N. H. Ave.
SCHERKENBACH,	2.00	2200 211 221 22101
GERTRUDE M. (0)	Minn.	1022 Vermont Ave.
SCHEUFLER, EDWARD	TATILITY.	1022 Vermone 21Ve.
LIPPHARDT (21)	DC	1901/ M St
SCHLOBORN OFFICE A (O)	D. C.	428½ M St.
SCHLOBOHM, OTTO A. (0)	N. Y.	National Press Club
SCHLUP, LESTER S. (0)	Ohio	915 16th St.
SCHOENFELDER, HELENA	-	*** ** ***
27 OROTHEA (II)	Iowa	Mt. Rainier, Md.
SCHOFFSTALL, CHARLES		
	Pa.	1829 19th St.
DCHPOPPED A TITLE	Y	1311 M St.
SCHWARTZ, MARION E.	D. C.	2414 12th St. N. E.
SCHWARTZ, MARION E. SCHWARTZ, WILLIAM WARNER(0) SCOTT, CHARLES CARLYSLE (42)	Mo.	1412 G St. S. E.
SCOTT, CHARLES CARLYSLE (42)	III.	1333 15th St.
SCOTT, MARGARET E. (0)	D. C.	702 20th St.
	a	T True Activities \$750

SCOTT, RALPH S. (93)	Md.	Hyattsville, Md.
	W. Va.	1739 P St.
SEE, ERNEST A. (86)		310 3d St.
SHAFER, ANNA LEE, (0)	III.	3437 Oakwood Terrace
†SHAFFER, HENRY MORSE (0)	D. C.	
†Shea, Earl Clifford (73)	S. Dak.	1321 Delafield Pl.
†Shea, Earl Clifford (73) Shea, James W. (15) Shea, Margaret A. (0)	D. C.	4427 Iowa Ave.
SHEA MARGARET A. (0)	Ind.	1709 M St.
SHERIFF, GEORGE		
	D. C.	1462 Newton St.
ROTHWELL (21)	W. Va.	Walter Reed Hospital
SHISLER, GEORGE (63)		1627 19th St.
*Showalter, John B. (0)	D. C.	
SIEGLER, CATHERINE ESTELLE (0)	Ma.	Tulip and Oak Aves.,
		Takoma Park, Md.
†SILVERMAN, ROSE CLAIRE (0)	D. C.	312 11th St. S. E.
SIMMONS RUSH NELSON (23)	Minn.	1415 Rhode Island Ave.
†SIMMONS, RUSH NELSON (23) SIMMONS, WILLIAM V. (21)	Miss.	109 Maryland Ave. N. E.
SIMON, DAVID ROBERT (0)	D. C.	2802 Cathedral Ave.
SIMON, DAVID ROBERT (0)	Texas	5100 14th St.
SIMS, EULA M. (0)		417 11th St. N. E.
*SITLER, JEANETTE (0)	D. C.	
SLADEN, WILLIAM MILTON (0)	D. C.	419 East Capitol St.
SLAUGHTER, DELL		1011 TO 111 OIL
PEMBERTON (0)	Okla.	1241 Euclid St.
†Smith, Ardis A. (0)	Iowa	2108 H St.
SMITH AUDLEY L. (6)	Iowa	3644 New Hampshire Ave.
SMITH, AUDLEY L. (6) SMITH, H. JOSEPHINE (0)	Ore.	The Ventosa
SMITH, II. JUSEPHINE (U)	D. C.	313 S St. N. E.
SMITH, LILLIAN MARTHA (12)		
SMITH, MARGARET MARY (79)	Md.	Riverdale, Md.
SMITH, MARGUERITE (0)	D. C.	2406 18th St.
SMITH, RUTH CATHERINE (0)	Va.	N-O Bldg. Govt. Hotels.
†SMOOT, MARGARET WARD (0)	D. C.	2917 13th St.
SOLEM, JOSEPH A. (0)	S. Dak.	230 Wootton Ave.,
Donate To Co		Chevy Chase, D. C.
SPEAR, ROY HARLIN (0)	Okla.	1224 B St. S. W.
SPENCE, CHARLOTTE CALVERT (0)		College Park, Md.
Company Manager (0)	N. C.	3623 New Hampshire Ave.
SPENCER, MARY L. (9)		1404 12th St.
*Spillers, Dwaine Willey (0)	D. C.	
SPOERRI, JAY FULLER (0)	Ill.	House Office Bldg.
STADLER, ROBERT B. (0)	Texas	1823 G St.
STEENERSON, INGEBORG		A STATE OF THE STA
Dolvar (0)	Minn.	1327 M St.
*STEVENS, ARTHUR E. (0)	Mo.	920 5th St.
†STEWART, KATHERINE ROMNEY		
(0)	Utah	100 4th St. S. E.
*Course Present (0)	Okla.	124 6th St. N. E.
*STILES, PRUETT (0) STILES, THEOBELLE (0)		
STILES, THEOBELLE (U)	N. Dak.	514 17th St.
STIMPSON, CHARLOTTE		0144 777
Gordon (84)	D. C.	2141 Wyoming Ave.
STIMPSON, MARGARET (0)	D. C.	2141 Wyoming Ave.
STORCK, DOROTHEA FURLAM (0)	Va.	Virginia Highlands, Va.
*STRAWN, ROXIE NOLAN (13)	Ind.	1315 20th St.
*Strawn, Roxie Nolan (13) *Studds, Marie Agnes (12) Sturgis, Hugh Legare (84)	D. C.	1409 New Jersey Ave.
STURGIS, HUGH LEGARE (84)	Md.	Hyattsville, Md.
*†SUGAR, SAMUEL (0)	D. C.	257 3d St. S. W.
SULLIVAN, THOMAS R. (0)		
	Minn.	2123 F St.
SWEARINGER, ANITA	Ind.	2912 16th St.
SWECKER, ICIE LILIAN (21)	Va.	300 Va. Ave. South,
		Clarendon, Va.

SWEITZER, RUTH V. (0) SYMMONDS, KATHERINE GODFREY (52) Md. TATT, BEATRICE WILKINS (90) TATT, BEATRICE WILKINS (90) TATE, KATHERINE B. (0) TAYLOR, ADA LORENE (0) TICE, HOWARD MCCOLLY (0) TILTON, LEROY WILLIAM (93) TODD, AUGUSTINE JAQUELIN (103) D. C. TOOTHMAN, EDWIN CARSON (0) TOOTHMAN, EDWIN CARSON (0) TOWERS, CATHERINE BURKE (0) TOWERS, CATHERINE BURKE (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) TURNOFF, DORA M. (6) VANDOREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VLLET, ANDREW M. (0) WALLER, LAURA HAZEL (0) WALTERS, SYBIL (0) WALTERS, SYBIL (0) WALTERS, SYBIL (0) Md. The Marne Western Ave. and Ellicott St. The Marne Western Ave. and Ellicott St. The Marne Md. The Marne Md. The Marne Western Ave. and Ellicott St. Vestern Ave. and Ellicott St. Vestern Ave. and Ellicott St. Tenn. 514 Park Road Western Ave. and Ellicott St. S15 4½ St. S. W. 3002 Q St. 917 Longfellow St. 1779 Church St. 126 12th St. S. E. 1779 Church St. 1179 Church St. 12900 14th St. 1440 Belmont St. 1440 Belmont St. 1440 Belmont St. 2622 11th St. 1504 Each Capitol St. 1440 Belmont St. 2900 14th St. 1405 Rhode Island Ave. 12900 14th St. 1405 Rhode Island Ave. 12900 14th St. 1404 Belmont St. 1404 Belmont St. 1404 Belmont St. 1405 Rhode Island Ave. 1333 12th St. 1404 Belmont St. 1404 Belmont St. 1404 Belmont St. 1404 Belmont St. 1405 Rhode Island Ave. 1404 Belmont St. 1405 Rhode Island Ave. 1405 Rhode Island Ave. 1406 Rhode Island Ave. 1407 Rhode Island Ave. 1408 Rhode Island Ave. 1409 14th St. 1508 Newton St. 1508 New
SYMMONDS, KATHERINE GODFREY (52) SYMONS, ARTHUR (13) TAIT, BEATRICE WILKINS (90) TANSIL, REBECCA C. (0) TATE, KATHERINE B. (0) TAYLOR, ADA LORENE (0) TILTON, LEROY WILLIAM (93) TODD, AUGUSTINE JAQUELIN (103) D. C. †TOLSON, CLYDE A. (0) †TOLSON, H. A. (0) TORONTO, ELEANOR S. (0) TORONTO, ELEANOR S. (0) TRACY, STANLEY JAMES (0) TURNER, MARIE ALMA (4) TURNOFF, DORA M. (6) VAN DOREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VILIET, ANDREW M. (0) WALLER, LAURA HAZEL (0) WALTERS, SYRIL (0) Western Ave. and Ellicott St. 708 Park Road 708 Park Road TOR 914 Road 1140 Fall Park Road 216 12th St. S. E. ST. 3002 Q St. 1779 Church St. 2900 14th St. 1405 Rhode Island Ave. 1440 Belmont St. 1440 Belmont St. 1440 Belmont St. 1506 East Capitol St. 1508 Newton St. Willard Courts Willard Courts Walters, Syril (0) Walters, Syril (0) Lowa 1514 Park Road 708 Park Road The Marne 708 Park Road The Marne 708 Park Road The Marne 708 Park Road The Metric Ave. and Ellicott St. Tosh Fark Road 1216 12th St. S. E. 1779 Church St. 1770 Church St. 1772 St
Godfrey (52) Symons, Arthur (13) Tait, Beatrice Wilkins (90) Tansil, Rebecca C. (0) Tate, Katherine B. (0) Taylor, Ada Lorene (0) Tice, Howard McColly (0) Tilton, Leroy William (93) Todd, Augustine Jaquelin (103)D. C. †Tolson, Clyde A. (0) †Tolson, H. A. (0) Toronto, Eleanor S. (0) Towers, Catherine Burke (0) Towers, Catherine Burke (0) Turner, Marie Alma (4) Turner, Marie Alma (4) Turner, Marie Alma (4) Turner, Dora M. (6) Van Doren, Lurana C. (30) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Vickens, Rose (35) Vieth, Andrew M. (0) Waller, Arthur Henry (15) Walters, Syril (0) Western Ave. and Ellicott St. St. 416 Park Road Western Ave. and Ellicott St. St. 42 St. S. W. 3002 Q St. 1779 Church St. 2900 14th St. 1405 Behmont St. 1405 Babel Dor. 1440 Behmont St. 2622 11th S
Symons, Arthur (13) Tatt, Beatrice Wilkins (90) Tansil, Rebecca C. (0) Tate, Katherine B. (0) Tate, Katherine B. (0) Tate, Katherine B. (0) Tate, Howard McColly (0) Tice, Howard McColly (0) Tilton, Leroy William (93) Todd, Clyde A. (0) Toothman, Edwin Carson (0) Toward, Catherine Burke (0) Toward, Stanley James (0) Turner, Marie Alma (4) Turner, Marie Alma (4) Turner, Dora M. (6) Van Doren, Lurana C. (30) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Viekers, Rose (35) Vieth, Andrew M. (0) Waller, Laura Hazel (0) Walters, Syril (0) Md. Western Ave. and Ellicott St. Tenn. 514 Park Road Western Ave. and Ellicott St. 515 4½ St. S. W. 3002 Q St. 917 Longfellow St. 1779 Church St. 2900 14th St. 1405 Rhode Island Ave. 1440 Belmont St. 1405 Rhode Island Ave. 1440 Belmont St. 1804 2d St. 1804 2d St. 1804 2d St. 1808 Newton St. 1809 Newton
TATT, BEATRICE WILKINS (90) TANSIL, REBECCA C. (0) TATE, KATHERINE B. (0) TATE, KATHERINE B. (0) TATLOR, ADA LORENE (0) TEMIN, HENRY (0) TICE, HOWARD MCCOLLY (0) TILTON, LEROY WILLIAM (93) TODD, AUGUSTINE JAQUELIN (103)D. C. TODD, AUGUSTINE JAQUELIN (103)D. C. TOOTHMAN, EDWIN CARSON (0) TOOTHMAN, EDWIN CARSON (0) TOWARD, CLYDE A. (0) TOWERS, CATHERINE BURKE (0) TOWERS, CATHERINE BURKE (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) TUROFF, DORA M. (6) TURNER, MARIE ALMA (4) TUROFF, DORA M. (6) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VIELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VILLET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALTERS, SYRIL (0) WALTERS, SYRIL (0) WALTERS, SYRIL (0) WESTER Ave. and Ellicott St. 514 Park Road 216 12th St. S. E. 515 4½ St. S. W. 3002 Q St. 917 Longfellow St. 1779 Church St. 2900 14th St. 1440 Belmont St. 2622 11th St. 506 East Capitol St. 1804 2d St. 1804 2d St. 1804 2d St. 1338 Vermont Ave. 3814 5th St. Willard Courts Willard Courts Willard Courts Walters, Arthur Henry (15) WALTERS, SYRIL (0) Lowa 1515 North Capitol St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C.
TANSIL, REBECCA C. (0) TATE, KATHERINE B. (0) Ala. TAYLOR, ADA LORENE (0) Md. R-S Bldg. Govt. Hotels TEMIN, HENRY (0) D. C. 515 4½ St. S. W. 3002 Q St. TILTON, LEROY WILLIAM (93) TEXAS TODD, AUGUSTINE JAQUELIN (103)D. C. †TOLSON, CLYDE A. (0) TOSON, H. A. (0) TOSON, H. A. (0) TORONTO, ELEANOR S. (0) TOWA TORONTO, ELEANOR S. (0) TURNER, CATHERINE BURKE (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (6) VANDOREN, LURANA C. (30) VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) WALL, ADELAIDE D. (74) WALTER, ARTHUR HENRY (15) WALTERS, SYRIL (0) TICR, HOWARD Ala. 216 12th St. S. E. 3002 Q St. 917 Longfellow St. 1779 Church St. 2900 14th St. 1779 Church St. 2900 14th St. 1440 Belmont St. 2622 11th S
TATE, KATHERINE B. (0) TAYLOR, ADA LORENE (0) Md. Md. R-S Bidg. Govt. Hotels 515 4½ St. S. W. 3002 Q St. 71LTON, LEROY WILLIAM (93) TEXAS TODD, AUGUSTINE JAQUELIN (103)D. C. †TOLSON, CLYDE A. (0) TORONTO, ELEANOR S. (0) TORONTO, ELEANOR S. (0) TOWARD, CATHERINE BURKE (0) TOWERS, CATHERINE BURKE (0) TOWERS, CATHERINE BURKE (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) VANDOREN, LURANA C. (30) VANDOREN, LURANA C. (30) VAN WATERS, SHERWOOD P. (94) VIELEY, BERNICE A. (0) VIELEY, BERNICE A. (0) VALLET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALTERS, SYRIL (0) LOC.
TAYLOR, ADA LORENE (0) TEMIN, HENRY (0) TICE, HOWARD MCCOLLY (0) TILTON, LEROY WILLIAM (93) TODD, AUGUSTINE JAQUELIN (103)D. C. †TOLSON, CLYDE A. (0) †TOLSON, H. A. (0) TORONTO, ELEANOR S. (0) TORONTO, ELEANOR S. (0) TOWARD, CATHERINE BURKE (0) TOWARD, STANLEY JAMES (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) TURNOFF, DORA M. (6) VANDOREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) WALLER, ARTHUR HENRY (15) WALTERS, SYRIL (0) WALTERS, SYRIL (0) Md. S15 15 4½ St. S. W. 3002 QS St. 1779 Church St. 2900 14th St. 1440 Belmont St. 1440 Belmont St. 1440 Belmont St. 2622 11th St.
Tice, Howard McColly (0) Tilton, Leroy William (93) Todd, Augustine Jaquelin (103)D. C. †Tolson, Clyde A. (0) †Tolson, Clyde A. (0) Torothman, Edwin Carson (0) Toronto, Eleanor S. (0) Towers, Catherine Burke (0) Turner, Marie Alma (4) Turner, Marie Alma (4) Turner, Dora M. (6) Van Doren, Lurana C. (30) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Vickens, Rose (35) Vieth, Anna Marie (0) Viet, Andrew M. (0) Viet, Andrew M. (0) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syril (0) Jordan
TODD, AUGUSTINE JAQUELIN (103) D. C. †TOLSON, CLYDE A. (0)
TODD, AUGUSTINE JAQUELIN (103) D. C. †TOLSON, CLYDE A. (0)
TODD, AUGUSTINE JAQUELIN (103) D. C. †TOLSON, CLYDE A. (0)
Todd
Tolson, Clyde A. (0)
Tolson, H. A. (0)
TOOTHMAN, EDWIN CARSON (0) TORONTO, ELEANOR S. (0) TOWERS, CATHERINE BURKE (0) TRACY, STANLEY JAMES (0) Utah TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) VANDOREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VICKERS, ROSE (35) VICKERS, ROSE (35) VILET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTERS, SYRIL (0) WALTERS, SYRIL (0) 1333 12th St. 1326 East Capitol St. 1804 2d St.
Tracy, Stanley James (0) Turner, Marie Alma (4) N. C. 506 East Capitol St. Turner, Dora M. (6) VanDoren, Lurana C. (30) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Velley, Bernice A. (0) Vickers, Rose (35) Vieth, Anna Marie (0) Vieth, Anna Marie (0) Mo. Vliet, Andrew M. (0) Wall, Adelaide D. (74) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syril (0) Utah 2622 11th St. 1804 2d St. 1808 N. E. 1838 Vermont Ave. 3814 5th St. Willard Courts Willard Courts Walter, Andrew M. (0) Ind. 935 New York Ave. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. Walters, Syril (0) Iowa 1919 K St.
Tracy, Stanley James (0) Turner, Marie Alma (4) N. C. 506 East Capitol St. Turner, Dora M. (6) VanDoren, Lurana C. (30) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Velley, Bernice A. (0) Vickers, Rose (35) Vieth, Anna Marie (0) Vieth, Anna Marie (0) Mo. Vliet, Andrew M. (0) Wall, Adelaide D. (74) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syril (0) Utah 2622 11th St. 1804 2d St. 1808 N. E. 1838 Vermont Ave. 3814 5th St. Willard Courts Willard Courts Walter, Andrew M. (0) Ind. 935 New York Ave. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. Walters, Syril (0) Iowa 1919 K St.
TRACY, STANLEY JAMES (0) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) VANDOREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTERS, SYRIL (0) VIAN COE East Capitol St. 1804 2d St. 723 8th St. N. E. 913 22d St. 1338 Vermont Ave. 3814 5th St. Willard Courts Willard Courts 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. WALTERS, SYRIL (0) IOWA 1919 K St.
TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) TURNER, MARIE ALMA (4) VAN OREN, LURANA C. (30) VAN NESS, ETHEL M. (47) VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTERS, SYRIL (0) WALTERS, SYRIL (0) D. C. 1804 2d St. 1804 2d St. 1338 Vermont Ave. 3814 5th St. Willard Courts Willard Courts 1808 Newton St. 1808 New York Ave. 4009 14th St. 1150 North Capitol St. 11804 12 St. 1380 Vermont Ave. 1808 Newton St. 1808 Newton St. 1808 New York Ave. 4009 14th St. 1808 New York Ave.
Van Ness, Ethel M. (47) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Velley, Bernice A. (0) Vickers, Rose (35) Vieth, Anna Marie (0) Vliet, Andrew M. (0) Wall, Adelaide D. (74) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syril (0) Van Ness, Ethel M. (47) N. J. 23 Sth St. N. E. 23 Sth St. N. E. 23 Sth St. N. E. Willard Courts Willard Courts 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. Walters, Syril (0) Value 1919 K St.
Van Ness, Ethel M. (47) Van Ness, Ethel M. (47) Van Waters, Sherwood P. (94) Velley, Bernice A. (0) Vickers, Rose (35) Vieth, Anna Marie (0) Vliet, Andrew M. (0) Wall, Adelaide D. (74) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syril (0) Van Ness, Ethel M. (47) N. J. 23 Sth St. N. E. 23 Sth St. N. E. 23 Sth St. N. E. Willard Courts Willard Courts 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. Walters, Syril (0) Value 1919 K St.
VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, SYRIL (0) VAN WATERS, ETHEL M. (44) N. J. 31328 Vermont Ave. 3814 5th St. Willard Courts Willard Courts 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. WALTERS, SYRIL (0) IOWA 1919 K St.
VAN WATERS, SHERWOOD P. (94) VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, SYRIL (0) VAN WATERS, SHERWOOD P. (94) N. Y. 1338 Vermont Ave. 3814 5th St. Willard Courts Willard Courts 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. WALTERS, SYRIL (0) IOWA 1919 K St.
VELEY, BERNICE A. (0) VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, SYRIL (0) D. C. Willard Courts Willard Courts Willard Courts Willard Courts Willard Courts Willard Courts 1808 Newton St. 1809 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. WALTERS, SYRIL (0) Iowa 1919 K St.
VICKERS, ROSE (35) VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, SYRIL (0) WALTERS, SYRIL (0) WINITER COURTS WINITER WINITER COURTS WINITER WINITER COURTS WINITER WINITER COURTS WINITER COURTS WINITER COURTS WINITER COURTS WINI
VIETH, ANNA MARIE (0) VLIET, ANDREW M. (0) WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, Syril (0) WALTERS, Syril (0) WOO, Mo. 1808 Newton St. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C.
Wall, Addiadde D. (74) Waller, Laura Hazel (0) Walter, Arthur Henry (15) Walters, Syrii (0) Walters, Syrii (0) Walters, Syrii (0) Ind. 935 New York Ave. 4009 14th St. 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C.
WALL, ADELAIDE D. (74) WALLER, LAURA HAZEL (0) WALTER, ARTHUR HENRY (15) WALTERS, Syril (0) Ohio 1150 North Capitol St. 118 Willow Ave., Takoma Park, D. C. WALTERS, Syril (0) Iowa 1919 K St.
WALLER, LAURA HAZEL (0) Ohio HISO NORTH Capitol St. WALTER, ARTHUR HENRY (15) Ky. Takoma Park, D. C. WALTERS, Syril (0) Iowa 1919 K St.
WALLER, LAURA HAZEL (0) Ohio HISO NORTH Capitol St. WALTER, ARTHUR HENRY (15) Ky. Takoma Park, D. C. WALTERS, Syril (0) Iowa 1919 K St.
WALTER, ARTHUR HENRY (15) Ky. 118 WILLOW AVE., Takoma Park, D. C. WALTERS, Syrif. (0) Iowa 1919 K St.
Walters, Syru, (0) Iowa 1919 K St.
Walters, Sybil (0) Iowa 1919 K St.
WARD, JOHN RUSSELL (0) IOWA 413 A St. S. E.
WARD, MILDRED (6) Iowa 413 A St. S. E.
Waring, Martha Lucy (49) D. C. 616 Quebec Pl.
WARNER, WELLMAN J. (0) D. C. 746 Park Road
Warner, Wellman J. (0) D. C. 746 Park Road Warren, Lee Ella (55) D. C. 1341 Columbia Road
WARREN, ORLIN P. (0) D. C. 1914 H St.
WATZMAN, PERCY (28) D. C. 25 I St. N. E.
WATZMAN, PERCY (28) D. C. 25 I St. N. E. WEADON, LEAFY MARGARET (0) Va. 3413 P St. WERSTER REVIE (12) Minn 4007 Garrison St.
WECKERLY, IDA (0) Md. 105 E. Bradley Lane,
Chevy Chase, Md.
WEIGANDT, HARRY NICOLAI (12) S. Dak. 507 3d St.
WERNER ROBERT I (0) W Va. 1920 Hamillo St. N. E.
*WHEELER, HENRY STEVENS (0) R. I. House Office Bldg.
WHITE, HELEN MARGARET (70) D. C. 1002 Nichols Ave. S. E.
WHITE, MILO R. (18) Ind. U. S. Patent Office
WHITFORD, MARGARET (91) D. C. 3369 18th St.
WILEY, VIRGIL BROOKS (27) Del. 1718 17th St.
WILFLEY, KATHERINE (12) D. C. 1483 Harvard St.
WILLEY, HAROLD B. (0) Mass. 1840 vernon St.
WILLIAMS, ERNEST F. (57) D. C. 1235 Madison St.
127
WILLIAMS HELEN HARRIETT (0) D. C. 2907 McKinley St.,
WILLIAMS, HELEN HARRIETT (0) D. C. 2907 McKinley St., Chevy Chase, D. C.

WILLIAMS, LOUISE ELIZABETH(0) D. C.

WILLIS, BENJAMIN C. (35) Md. D. (WILLIS, VIRGINIA (0) Va. WILLIS, VIRGINIA BULLOCK (103) Va. Md. D. C. WILSON, GENEVIEVE J. (0)
WILSON, JOHN BARNETTE (0)
WILSON, MELVILLE DWIGHT (0)
WILSON, THOMAS BARNETTE (0)
WIMMER JOSEPH COPP. (65) D. C. La. D. C. La. WIMMER, JOSEPH COPE (65)
*WINGER, WILLIAM D. (0)
WINTERS, CZAR SMITH (6) Pa. Md. Utah WINTERS, CZAR SMITH (6)
WISEHART, MALCOLM (12)
†WOLCOTT, JESSIE M. (0)
*†WOLFF, FRANCES C. (0)
WOLT, HELEN J. (24)
WONG, TEH PU (†)
WOOD, KARL H (0)
WORTHAN, VOLVEY Ill. Iowa D. C. Neb. China Va. WORTMAN, VOLNEY Okla. WINFIELD (115) *YAGLE, IRMA E. (0) †YATES, FRED LEE (0) YOHE, ETHEL CRAIGEN (96) Ala. Okla. D. C. *ZIEGLER, CLARIBEL (0) ZIRKLE, VERNON B. (0) Ohio Va.

3917 McKinley St.,
Chevy Chase, D. C.
303 Northbrook Courts
1324 L St.
Richmond Hotel
The Cumberland
The Sherman
1739 F St.
Sherman Apts.
3002 Q St.
2511 14th St.
1224 13th St.
Y. M. C. A.
2022 North Capitol St.
1859 California St.
1-K Bldg, Govt. Hotels
2212 R St.
Alexandria, Va.

1843 Calvert St. 605 North Car. Ave. S. E. 1717 Euclid St. 1758 S St. 748 Newton Pl. 410 3d St.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

BAER, DONALD ELWOOD (4)	D. C.	1744 Corcoran St.
BIERMAN, MORRIS I. (60)	D. C.	Providence Hospital
Bosworth, Robert Joseph (34)		523 5th St. N. E.
BURGIN, WALTER H. (0)	D. C.	1208 Emerson St.
Camp, Frances Willson (0)	D. C.	2823 27th St.
CHAREST, ANNA M (42)	Mich.	2581 Tunlaw Road
COLODNY, LEO (0)	D. C.	1404 Park Road
	N. Y.	Takoma Park, D. C.
COREY, WILBUR L. (0)	24. 2.	Turbune a distrip
CRESWELL, GEORGE WILLIAM	Md.	1100 Vermont Ave.
(16)	D. C.	654 19th St.
DIATZ, PHILIP (0)	N. Y.	915 I St.
DOWNER, MORTIMER B., JR. (0)	D. C.	352 I St. S. W.
EANET, PAUL (0)	D. C.	002 1 Dt. D. W.
GARDNER, WILLIAM CLIFFORD	D. C.	2650 Wisconsin Ave.
(92)	D. C.	2000 Wisconsin Ave.
M. D., 1919 George Washing-		
ton University.	DO	728 13th St. N. E.
GEIER, FREDERICK A. (0)	D. C.	
GONZALEZ, LUIS (0)	P.R.	1115 I St.
JOHNSON, REGENA COOK (8)	Md.	1420 N St.
JONES, SALLIE .E. (0)	Va.	239 13th St. S. W.
KIBLER, KIRBY (16)	Va.	226 3d St.
KING, IVAN ROBERTS (91)	III.	Tudor Hall
McVey, Pauline Margaret (0)		1723 G St.
Moxness, Bennie A. (4)	N. Dak.	700 20th St.
Munoz, Roque N. A. (58)	P.R.	1115 I St.
NIMETZ, AARON (0)	D. C.	1544 9th St.
Notes, Bernard (0)	D. C.	302 M St.

ALTHOUGH !

OTTENBERG, GILBERT (34)	D. C.	318 Dist. Nat. Bank Bldg.
PAGAN, ALBERT ELWOOD (99)	D. C.	The Rochambeau
PARKER, EVELYN (0)	Vt.	317 A St. N. E.
PEARE TOURS A. (04)		The state of the s
PEAKE, ISIDORE ALBERT (24)	D. C.	1636 R St.
PHILIPS, JOSEPH JULIUS (0)	D. C.	1233 7th St.
PORTON, STANLEY PAUL (28)	D. C.	1838 11th St.
PULLMAN, PETER B. (0)	Va.	Alexandria, Va. R. F. D. 4.
REED, JOHN ALTON (35)	D. C.	522 6th St.
RHAME, HAROLD E. (0)	D. C.	1236 11th St.
RUSSELL, JOHN PAUL (28)	D. C.	817 6th St.
SCHAFER, WILLIAM LEWIS (0)	Va.	427 Wilkes St.,
111111111111111111111111111111111111111	4 66-	Alexandria, Va.
SCHUTZ, CHARLES A. (0)	Md.	1954 Biltmore St.
SCHWARTZ, PAUL (26)	D. C.	
SLATTERNY MARY INC. (0)	desire after	453 Mass Ave.
SLATTERY, MARY JULIE (0)	D. C.	2844 Wisconsin Ave.
*Spangler, Casper S. (0)	Pa.	2032 16th St.
STEIN, JOSEPH (22)	N. Y.	235 Florida Ave.
SWARTWOUT, EDITH LILIAN (44)	D. C.	12 Iowa Circle
THOMPSON, THOMAS CARLTON		
(109)	Pa.	Emergency Hospital
THURBER, MILDRED E. (0)	N. Y.	1017 10th St.
VANNATTA, PAUL G. (0)	Mo.	Army Medical School
VENENOZO, FERNANDO OKALA (0)	P. I.	1121 17th St.
WEINSHELBAUME, SAMUEL (0)	N. Y.	1321 8th St.
WIARD, GEORGE CLARK (0)	Va.	933 New York Ave.
*WILLIMAN, FRANK LOUIS (65)		
*TYEAMANG EDWARD COOK	N. J.	109 Burlington Hotel
*†YEAMANS, EDWARD CAREY, JR	CDI	0000 D. A
	S. Dak.	2323 Pa. Ave.
ZEHNER, HARRY (0)	N. Y.	2500 Pa. Ave.

SPECIAL PRE-MEDICAL

*ATKINSON, INA FOSS (0)	D. C.	Copley Courts
AZULA, JUAN B. (12)	Peru	2002 G St.
*BADDY WYSTERS V	DC	
BARRY, WILLIAM KEATING (0)	D. C.	1425 Euclid St.
BEACH, MARY JOSEPHINE (18)	Fla.	1920 Belmont Rd.
BEALL, ISAAC (0)	D. C.	176 Uhland Terrace
BELL, STANLEY WILLIAM (25)	D. C.	1325 1st St.
DUTLER, ARDEN JONES (0)	Tenn.	1234 13th St.
DUTLER, HOMER K. (43)	D. C.	609 Kenyon St.
CALHOUN, EDWARD J. (0)	D. C.	1201 Girard St.
CHAPMAN, KATHERINE (0)	Md.	Kensington, Md.
LARK, GORDON W. (0)	Utah	614 22d St.
CONKLIN, ROSCOE L. (0)	D. C.	20th and Rhode Island Ave.
		N. E.
DAVIS, WILLIAM H., JR. (0)	N. Y.	1422 Massachusetts Ave.
DENJAMIN		
FRANKLIN In (39)	D. C.	916 Massachusetts Ave.
DENISON, ABRAHAM	2	0.00 0.00000000000000000000000000000000
ROBERT (40)	D. C.	2600 K St.
DORSEY, JAMES ANDREW (10)	Va.	1312 North Carolina Ave.
	7 44-	N. E.
*Dubins, Julius (12)	N. Y.	2006 F St.
DUFFEY, HUGH	74. 7.	2000 1 1001
CLARENCE, JR. (28)	D. C.	929 O St.
ELLERSON, EDWIN	D. C.	020 0 00
MURDAUGH (20)	D. C.	2134 R St.
(20)	1). C.	2109 IL DL.

ESCHBACK, PHILIP INNES (0)	Md.	3008 Clifton Ave., Baltimore, Md.
Evans, Leland M. (0)	Utah	1224 13th St.
Evans, Theodore	Va.	1728 Corcoran St.
HUBBARD (0)	Va.	339 House Office Bldg.
FIELD, OLIVETTE ROSALIE (36)	Va.	1102 L St.
FLETCHER, TRAVIS LEIGH (6)		2004 G St.
FREELAND, FRED BERNARD (0)	S. Dak.	217 F St.
FREYER, EUGENE BRYANT (0)	N. Y. D. C.	917 6th St. S. W.
FRIEDENBERG, HARRY (6)		915 N St.
GREEN, HOLLAND (0)	Ind. D. C.	1925 Park Rd.
*HALBACH, EDWARD C. (0)	Va.	800 L St.
HAMMACK, PAUL WILLARD (15) HAMRIC, ETHEL MARIE (0)	26.0	1223 N St.
HAMRIC, ETHEL MARIE (U)	Va. Md.	217 F St.
*HOSEINSON, STANLEY LEE (0) *HOWELL, LEHMAN GRANES (0)	MIG.	211 1 500
*†HOWELL, LEHMAN	Ala.	910 Massachusetts Ave.
GRANES (U)	D. C.	U. S. Naval Medical Hosp.
Hughes, William Henry (0) Jansen, Russell John (0)	Minn.	1468 Rhode Island Ave.
JANSEN, RUSSELL JOHN (U)	within.	1400 1111000 15111111 1110
JENKINS, WILLIAM ALEXANDER,	D. C.	71a L St. N. E.
JR. (16)	Utah	1427 21st St.
Johnson, Don (0)	Md.	Y. M. C. A.
JOHNSON, JOHN WAYNE (0)	D. C.	1813 M St.
Johnson, William (0)	D. C.	106 I St.
†Kaminsky, Abe (0)	D. C.	1309 North Carolina Ave.
Kaplan, Louis Norman (0)	D. C.	N. E.
Value Francis A (0)	Kan.	Y. M. C. A.
KRAUSE, EDWARD A. (0)	N V	623 4th St.
Lang, Richard James (0)	N. Y. N. Y.	1462 Chapin St.
LATTMAN, ISIDORE (2)	N. Y.	1462 Chapin St.
LATTMAN, MORRIS (2)	74. F.	1402 Chapin 200
LOCKE, HOWARD	D. C.	1016 Massachusetts Ave.
PALMER, JR. (36)	N. J.	1210 7th St.
*Ludwig, Harry Isdore (0)	D. C.	702 F St. N. E.
McCarthy, John L. (0) Maxwell, John Edwin (0)	D. C.	2311 18th St.
MAXWELL, JOHN EDWIN (U)	Penn.	Huntington Apts.
MAYER, JOSEPH A. (0)	N. J.	Madeira Apts.
MONTANI, ROCCO (61)	P. I.	1635 L St.
NAVARRO, VICENTE A. (71)	Ga.	2221 Flagler Pl.
Patterson, Homer Scott (0) †Perelma, Ossip (0)	D. C.	302 Evening Star Bldg.
	D. C.	1233 7th St.
PHILIPS, BERNHARDT (29) PIERCE, RALPH NORWOOD (6)	D. C.	1808 Kalorama Rd.
	Va.	1540 7th St.
PLOTNICK, BARNEY (0) POTTER, HAROLD W. (0)	D. C.	2120 G St.
ROSENBLATT, LOUIS (24)	N. Y.	210 Rhode Island Ave.
RUBINO, ANTHONY P. (0)	N. Y.	1321 Quincy St.
SAVAGE, GEORGE POMEROY (0)	Ala.	U. S. Naval Medical School
SCHWAR, ANTON MARTYN (0)	Va.	315 4th St. S. E.
Schwab, Anton Martyn (0) Searcy, Henry Britton (0)	Ala.	1944 Calvert St.
SECUNDA, HERMAN (0)	N. Y.	517 L St.
SECUNDA, HERMAN (0) SEWARD, DORIS MARIE (0)	Vt.	1341 A St.
SHANNON, WILLIAM ARTHUR (28)) D. C.	1528 9th St.
SHOTWELL, CLARENCE L. (0)	Va.	Falls Church, Va.
*SLAUGHTER, ROSALIE (0)	Mo.	Bureau War Risk Insurance
SMITH, HOWARD L. (0)	D. C.	601 Carroll Ave., Takoma
		Park

Somers, Charles J. (0)	N. J.	2023 G St.
STRETCH, JAMES E. (0) STROUP, HORACE	Conn.	1723 G St.
STROUP, HORACE	-	2100 0 00
CLIFFORD (0)	Penn.	1739 F St.
SWAIN, ALPHONSINE B. (0)	Mo.	X-Y Bldg., Govt. Hotels
USILTON, LIDA J. (22)	D. C.	2034 North Capitol St.
	87	905 13th St.
WALKER, FERRIS (0) *WATSON, LEWIS RANDOLPH (I WEEKS, NORMAN E. (0) WELSH, THOMAS F. (0) WHALEN, EDWARD WILLIAM (I WILTON, RALPH WILLIAM (I)	D. C.	2548 17th St.
*WATSON, LEWIS RANDOLPH (0) Md.	306 Hammond Ct.
WEEKS, NORMAN E. (0)	D. C.	3200 12th St. N. E.
Welsh, Thomas F. (0)	Utah	1741 G St.
WHALEN, EDWARD WILLIAM (C)) Penn.	1819 F St.
	D. C.	1335 22d St.
Wire, George Edward (0)	Va.	933 New York Ave.
	apparix	
A	SPECIAL	
AARONSON, RUTH ABSTEIN, GLADYS H	D. C.	1106 Fairmont St.
ABSTEIN, GLADYS H	D. C.	1515 Mass. Ave.
ADAMS, MARY JO.	Tenn	1309 P St.
ADAMS, RUTH CARLISLE	N. J.	1349 R St.
*Adamson, Louise	D. C.	635 Dahlia St.,
* 1		Takoma Park, D. C.
*Affleck, Madge G.	Va.	1104 M St.
AGNEW, ETHNA M.	D. C.	1106 Fairmont St.
*AGNEW, ETHNA M. *AGNEW, HELEN	D. C.	The Rochambeau
TILLIES, EDNA	Ky.	2030 F St.
†ALEXANDER, SUSAN	III.	222 Oak Ave.,
ALTEN From M	01:	Takoma Park, D. C.
ALLEN, ELSIE M.	Ohio	314 House Office Bldg.
ALLEN, GLENNA M	Iowa	E-F Bldg., Govt. Hotels
ALLNUTT, EDITH LOUISE	D. C.	38 Florida Ave.
AMAN, DOROTHY NESBIT	Md.	Hyattsville, Md.
AMBLER, NANCY	Iowa	1360 Otis Place
*ANDERSON AND E	D. C.	647 G St. S. E.
*Anderson, Albert F. Anderson, Florence	D. C.	70 U St.
* ANDERSON INTEREST	Ohio	P-Q Bldg., Govt. Hotels
*ANDREWS MARK LED	Mo.	1822 Mass Ave.
TANTISET MARKY LEDARON	W. Va.	1819 G St.
*†Anderson, Irene *†Anderson, Irene *†Andrews, Mary LeBaron †Antisell, Marion Brumm Arnerson, Marian G	Md.	Silver Spring, Md.
ARROWSMITH, JEAN M.	Minn. Pa.	51 Bryant St. 1717 S St.
ARTHUR, LINCOLN D.	N. Y.	1103 17th St.
ATEN, MARIAN FRANCES	D. C.	1432 Meridian St.
ATRINSON, FRANCES ELEANOR	Kansas	1822 Mass. Ave.
AUSTIN, SADIE M.	Md.	122 Willow Ave.
	244 (4.	Takoma Park, Md.
AVERY, HASTINGS PALMER	D. C.	1220 11th St.
A PAILEY, PURITUE	D. C.	25 Rock Creek Church Road
DAIN, COURDON R	Texas	1412 Mass Ave.
DAIRD. ATYON I OSSESSE	N. C.	1636 Irving St.
	D. C.	Clifton Terrace, West
BAKER, CAROLINE B.	Ohio	712 B St. S. W.
BAKER, MARY SUTHERLAND	D. C.	4925 Conduit Road
BALLARD MARY A.	N. Y.	Kenesaw Apts.
	Texas	1319 K St.
AMBERY ANDE	Minn.	2228 Decatur Place
BARAGWANATH, GENEVIEVE	111.	1669 Columbia Road

DARROWN FARMADERII M	N. Y.	1501 Irving St.
BARBOUR, ELIZABETH M.	Ohio	1778 Lanier Place
BARKER, DOLLY BEATRICE		1425 Chapin St.
BARNES, FLORENCE HILLS	D. C.	
*Barnes, Medora E.	D. C.	1501 Hamilton St.
*BARNHART, ELEANOR T.	D. C.	53 W St.
BARR, COURTLAND H	Del.	917 East Capitol St.
*BARTLETT, DONALD SAULSBURY	Idaho	1739 P St.
*BARTLETT, LILA MAY	Tenn.	1838 Jackson St. N. E.
*BARTON, MRS. W. M.	D. C.	1730 Conn. Ave.
*BASSETT, SAMUEL B.	D. C.	211 Rock Creek Church Rd.
DASSEII, DAMCED D.	III.	1022 11th St.
BATES, ELIZABETH M.	D. C.	1100 Euclid St.
*BATTSON, AMY ELLEN	Ind.	1739 P St.
BAUMONK, Ross S.		3012 13th St.
BAUR, MARTHA M.	Mich	
BEACH, JESSIE G.	Texas	717 21st St.
*Beavers, John Marbury, Jr.	D. C.	1752 Columbia Road
BEECHWOOD, VIOLA	Kans.	601 E St.
BEIDLEMAN, MARGARET D.	Pa.	1229 Conn. Ave.
BELL, FLORENCE COLFAX	N. Y.	3149 Mt. Pleasant St.
*BELL HATTYE	N. C.	1202 18th St.
BELL, HATTYE BELL, VIRGINIA LEE	Va.	1332 15th St.
†BELT, HELEN WALTON	D. C.	720 H St. N. E.
BENHAM, F. MAE	D. C.	1354 Parkwood Place
BENNETT, KENNETH LEONARD	N. Y.	Clarendon, Va.
	D. C.	4322 14th St.
†BENNETT, MARTHA D.	D. C.	1217 30th St.
†Bergholz, Anita L.		
BERRY, H. B.	Iowa	Munitions Bldg.
A. B., 1914; LL.B., 1915,		
University of Iowa		110 71 1 70
BERRY, INDIANOLA M.	III.	110 Seaton Place
†BHOLES, ELMA E.	Wis.	413 Quincy St.
BICKEL, GERTRUDE MARIE	Pa.	2010 O St.
BICKEL, MARION LOUISE	Pa.	2010 O St.
BIER, ROBERT ALLAN	D. C.	660 K St. N. E.
*BILLINGSLEY, CONNIE	Miss.	728 3d St. S. E.
	D. C.	1711 19th St.
*BIRNIE, MARTHA NOYES	17	1111 10011 1701
A. B. 1915; A. M. 1916		
George Washington University	7.0	1700 Ti CA
BLACKMAN, MARY	Kans.	1730 First St.
BLACKSHEAR, PAUL DAVID	Cia.	1314 Mass. Ave.
BLAKE, RAMONA E.	Md.	Hyattsville, Md.
†Blosser, Bessie E.	Pa.	1719 13th St.
*BLOSSER, NELLIE B.	Ohio	200 A St. S. E.
BLYSTONE, MORNING E.	Ind.	1347 L St.
BOARDMAN, MARTHA A.	Wash.	1854 Ontario Place
BOLAND, MAY FRANCES	D. C.	2113 N St.
*BONNETTE, EVA M.	Okla.	618 O St.
*Воотн, Ецгаветн М.	D. C.	2516 13th St.
ROSWEY FRANCES D	The same of the sa	
BOSWELL, FRANCES R. BOWERS, MIRIAM GRACE	D. C.	238 New Jersey Ave.
**POWERS, WIRIAM GRACE	Wis.	6th and B Sts.
*†Bowie, Evangeline	Tenn.	1333 12th St.
BOWIE, JOSEPHINE M.	D. C.	3712 Patterson St.
BOWMAN, JESSIE ELMA	D. C.	920 D St. N. E.
*BOYNE, CAROLINE	D. C.	1309 Fairmont St.
BOYNTON, AMY CANN	Ohio	Glen Echo, Md.
BRADEN, MOZELLE ELIZABETH	D. C.	4002 Kansas Ave.
BRADFIELD, MARY ELIZABETH	Ind.	1219 Fairmont St.

Bragg, Mary A.	Okla.
*Brandes, Gertrude *Brandt, Lola	Texas
*BRANDT, LOLA	Wis.
*BRAUNER, GEORGE LESTER	Va.
*Bray, Blanche R.	III.
BRIGHAM, ESTHER MARION	Mass.
BRIGHT, DAISY	D. C.
BRILMYER, GEORGE JOSEPH	Ohio
BRINLY, MARY BRISTOL, KATHERINE F.	Ill.
BRISTOL, KATHERINE F. *BROCK, DOBOTHY F. BROCK, JESSIE	D. C.
Brock, Jessie	D. C.
*Brown, Agnes Marjorie	Iowa
†Brown, Dorothy Thornton *Brown, Geneva A.	Mo.
*Brown, Geneva A.	Me.
THOOSEST LANGUE (III.
*†Brown, Isabel	N. M.
*BROWN, ISABEL BROWN, MABEL A. BROWN, MARY AGNES *BROWN, MARY LAVINIA BRUCE, EDMOND BUCKINGHAM, LELAH	III.
Brown, Mary Agnes	D. C.
*Brown, Mary Lavinia	Mass.
Bruce, Edmond	D. C.
	Ind.
BUCKLEY, RUTH *BUDER, CHARLES M.	Mo.
BUDER, CHARLES M.	N. J.
BUIE, MAZIE	Miss.
BUKER, LUCY M.	Va.
*Buie, Mazie Buker, Lucy M. Litt. B., 1916, Boston Universit Burch, Ruth Reid †Burchard, Ether, M.	Ga.
BURCH, RUTH REID	D.C
*Burchard, Ethel M. *Burchfield, Henrietta	D. C. N. Y.
*†Burgess, Majorie S.	D. C.
*BURK CAPOLINA	Ind.
*Burk, Carolina Burke, Thomas Francis	Mass.
*BURKET, RHEES EVANS	Md.
INTERPRETARE HAVE A SECOND	D. C.
*BURNHAM, HELEN BURNHAM, SARA FLORENCE *BURRELL HENDIETTA	D. C. N. Y. D. C.
BURNHAM, SARA FLORENCE	N. Y.
*Burrell, Henrietta	D. C.
*Bush, GLADYS A.	III.
Bushong, L. D.	Va.
*Bush, Gladys A. Bushong, L. D. *Butler, Eloise M. Butler, Iris Mary †Butler, Nicholas George	Va.
BUTLER, IRIS MARY	Ga.
BUTLER, NICHOLAS GEORGE	Conn.
Caldwell, Millard L. Callahan, Vincent Frances Calvin, Jeannette Malinda	Va
CALLAHAN, VINCENT FRANCES	D. C.
CALVIN, JEANNETTE MALINDA	Ind.
CAMERON, DANIEL A.	III.
CAMPBELL, JEAN THOMPSON	D. C.
CAMPBELL, MYRTLE	Ala.
*CARLSTEDT, ALFHILD M. †CARMICHAEL, VIRGINIA	Minn.
TUCKER VIRGINIA	D. C.
CARMODY F I	III.
CARROLL ELLEN LED	Miss.
CARROLL HELEN CATHEDINE	III.
CARTAN, MARGARET S.	D. C.
CARMODY, F. J. CCARROLL, ELLEN LEE CARROLL, HELEN CATHERINE CARTAN, MARGARET S.	

1635 Irving St. 1748 S St. X-Y Bldg., Govt. Hotels 1012 New Hampshire Ave. 2004 G St. 821 North Car. Ave. S. E. 1818 H St. 45 Q St. N. E. A-B Bldg., Govt. Hotels 1804 Kilbourne Place 1833 Irving St. 717 21st St. 1921 N St. 1822 Mass Ave. 1854 Ontario Place 67 Adams St. 901 M St. N. W. A-B Bldg., Govt. Hotels 4606 15th St. 3459 14th St. 731 Rock Creek Church Road 1316 New Hampshire Ave. 2433 18th St. 1824 New Hampshire Ave. 1448 Girard St. 2506 K St.

2120 P St.
1800 K St.
721 19th St.
2530 13th St.
2509 17th St.
322 11th St. S. W.
Chevy Chase, Md., R.F.D. 2
2114 LeRoy Place
1338 Fairmont St.
Munitions Bldg.
3401 Wisconsin Ave.
36 W St.
2201 K St.
3347 18th St.
2164 Florida Ave.
Georgetown University
Clarendon, Va.
1729 North Capitol St.
1536 16th St.
74 V St.
301 8th St. N. E.
1338 Harvard St.
1335 Columbia Rd.

Stoneleigh Court 1419 Columbia Rd. 811 10th St. 2408 K St. 20 New York Ave., Takoma Park, D. C.

CARTER, AGNES A.	D. C.	1314 B St. S. W.
*†CARTER, GERTRUDE I.	Va.	The Cairo
Case, Alice D.	D. C.	The Cordova
Ped. B., 1916, Berea College	1	The Cornova
*C. D., 1910, Derea Conege	Va.	Fast Falls Church Va
*Castleman, Frances F. *Cavanagh, Jeanette		East Falls Church, Va.
CAVANAGH, JEANETTE	D. C.	4011 Marlboro Pl.
*CAWOOD, LUCILE	D. C.	1418 21st St.
CECIL, GERTRUDE E.	D. C.	3425 16th St.
CHACE, MARIAN	D. C.	5300 Belt Rd.
†Chamberlain, Dorothy	Md.	Garrett Park, Md.
CHEEK, MILDRED	D. C.	201 E St. S. E.
*CHEN, QUEH KING	China	103 2d St. N. E.
CHICKERING, ELIZABETH E.	N. H.	1639 W St. S. E.
CHILIMIDOS, JAMES	D. C.	309 9th St.
CHILIMIDOS, JAMES CHRISTIAN, CORINNE C. CHRISTIAN, JOHN FARRAR	La.	3711 Huntington St.
CHRISTIAN, JOHN FARRAR	D. C.	1348 Euclid St.
†Churchill. Doris E.	N. Y.	1800 New Hampshire Ave.
†CHURCHILL, DORIS E. *CHURCHILL, VIRGINIA H. *CINCEVICH, KATE	Mo.	N-O Bldg., Govt. Hotels
*CINCEVICH KATE	D. C.	
CLARE ELIZADEMI H	D. C.	The Northumberland
CLARK, ELIZABETH H.	D. C.	Station No. 2, New York
Crape Char	N: 10	Ave.
CLARK, GRACE	N.Y.	1110 P St.
CLAVELOUX, IRENE C.	D. C.	2000 North Capitol St.
CLAVELOUX, MARIE K.	D. C.	2000 North Capitol St.
CLAY, WAVA FRANCES	Md.	1350 Kenyon St.
*CLENDENIN, WILDA CLEVELAND, MARION ELINOR	Penn.	1122 13th St.
CLEVELAND, MARION ELINOR	Md.	Kensington, Md.
CLIFTUN, INATHRYN	D. C.	1425 Belmont St.
*†CLOYD, ESTHER A. COATES, BRUCE	Kans.	1431 California St.
COATES, BRUCE	Miss.	1318 Harvard St.
COBB, AUDA C.	Mo.	1428 Clifton St.
†Cockrell, Margaret Louise	Va.	1352 Parkwood Pl.
COHEN, MOLLIE	Ohio	2016 P St.
COLBURN, D. ALTHEA	Mich.	
†Colburn, George F.		5 Iowa Circle
COLD AGYER P.	D. C.	1942 2d St.
COLE, AGNES B.	D. C.	1726 Park Rd.
COLE, LOTTIE M.	N. Dak.	R-S Bldg., Govt. Hotels
COLEMAN, CHARLES HUBERT	D. C.	American University Pk.
*COLLIER, GERTRUDE ALICE	Penn.	1341 A St. N. E.
COLVILLE, ELIZABETH	Tenn.	2514 Ontario Rd.
COMER, JENNIE E.	Minn.	1754 Kilbourne Pl.
CONNER, GEORGE LANGLEY	D. C.	5206 Illinois Ave.
*CONNINGTON, MARY G.	Calif.	X-Y Bldg., Govt. Hotels
CONVEY, ANNA	Wis.	2408 K St.
COOGLE, ANNA BELLE	Iowa	310 Indiana Ave.
*Cook, Charles Morris *Cook, Harriet Irene	D. C.	1110 Park Rd.
*Cook, HARRIET IRENE	111.	P-Q Bldg., Govt. Hotels
TCOOK, MARY L.	Miss.	2300 18th St.
COOK, VIVIEN E.	Miss.	
*Cooper, Edwin Wainwright		104 Woodley Apts.
CORBETT, FRANCES	Conn.	918 16th St.
, Commert, PRANCES	D. C.	535 Cedar St., Takoma Park,
CORNELL, MARY NEVILLE	D C	D. C.
*CODWINELL AND D	D. C.	2434 Pennsylavnia Ave.
*Cornwell, Annie Bolton	Va.	100 Grafton Ave., Clarendon,
Coscoour Marine	2.01	Va.
Cosgrove, Margaret F.	Minn.	St. Vincent's Villa
*Coulon, Genevieve J. F.	D. C.	1022 Park Rd.

N. H. 1819 Adams Mill Rd. *COUTURE, MILDRED L. 617 Quebec Pl. 124 Thomas St. Tenn. COVINGTON, ELIZABETH *Cowan, Esther W. Cowgill, Paul N. Y. 1736 T St. D. C. 606 Butternut St., Takoma D. C. Cox, Carrie Majors Park, D. C. 2036 1st St. D. C CRAMER, ALMA H. *CRAMER, IVERNA L. D. C. 2036 1st St. *Crandall, Ada Elizabeth *Crider, Mary L. *Credle, Kate *Croft, Lorena Belle 1873 Newton St. 3321 Holmead Pl. D. C. Ohio N. C. 1440 M St. Md. 940 22d St. Congress Hall Hotel CROCKER, WILLIAM MORTIMER D. C. CROMWELL, VIRGINIA RICHARDS 1432 M St. 719 11th St Ky. CRONIN, HERBERT THOMAS Mass. East Falls Church, Va. CROSSMAN, FLORENCE C. Va. *CROWLEY, KATHLEEN CULLEN, SARA L. *CULLY, RUBY M. †CULP, RUBY L. Conn. 3449 14th St. 1105 O St. 2004 G St. Va. III. 1343 Park Rd. Okla. *Curry, Charles Forrest
*Curry, Iris
Dady, Roy C.
Daly, L. Nugent House Office Bldg Calif. 500 East Capitol St. Miss. 650 L St. N. E. D. C N. Y. 1110 M St. Tex. D. C. 1129 Girard St. DAMERON, MARJORIE 2264 Mt. View Pl. S. E. Y. M. C. A. DANFORTH, LOUISA A. *DANIEL, ROBERT CLINTON D. C. 1231 20th St. 1305 N St. *DAVENPORT, BLANCHE L. Mass. DAVIS, EMILY CLEVELAND D. C. 1756 Columbia Rd. †Davis, Jeannette Ind. 3547 Holmead Pl. *DAVISON, FLORENCE Ohio 1101 Euclid St. DEATHERAGE, ALICE PAULINE D. C. DEBORD, GEORGE GORHAM 205 A St. S. E. Okla. DECKLER, VERA I.
DELANEY, ELIZABETH V.
DEMING, GEORGE M.
DENTON, A. GENEVA 1209 Girard St. D. C. The Northumberland D. C. 3903 Grant Rd. 1531 Vermont Ave. 1819 G St. D. C. Tenn. †DESPARRE, JOHN
*†DILLARD, AMY BONNIE D. C. X-Y Bldg. Govt. Hotels Ky. 1114 Vermont Ave. 1726 Newton St. D. C. Doig, NAN ADAM *Doing, Eleanor E. D. C. D. C. †DONALDSON, ELSA 20 R St. N. E. *Dorman, Sadie Virginia Penn. Dortsch, William Baskervill D. C. 1411 Newton St. Penn. 1510 Park Rd. 1119 I St. *Dougherty, Dorothy *Dougherty, Edella M. *Downes, Mary N. Y. D. C. 1451 N St. 1110 P St. Calif. 4901 13th St. The Mendota DOYLE, ETHEL A. III. *†Draper, Lydia S. †Draper, Mildred T. D. C. The Mendota D. C. 1922 Belmont Rd. DREW, ALICE EUNICE Fla. Drew, Erma Drew, Marietta E. 1209 Girard St. Ill. 1922 Belmont Rd. Fla. *DROLLINGER, NONA F. DUFF, EVELYN G. 2011 F St. D. C. 3311 Ross Pl. Mich. 1366 South Carolina Ave.S. E. DUMOND, MARION N.Y. 107 Carroll Ave. S. E. DUNIN, STANISLAU M. Wis.

†Dunn, Hasseltine	D. C.	1449 Fairmont St.
DUTTON, LILLIAN B.	D. C.	912 Kennedy St.
DUTTON, LILLIAN B.	D. C.	Govt. Hotels
ECCLES, PARLEY P.	Utah	Senate Office Bldg.
Eckard, Illinois	Ill.	2134 Flagler Pl.
ECKEL, J. CHARLES	Md.	Lincoln Hotel
ECKEL, J. CHARLES ECKELS, VIRGINIA	D. C.	2122 LeRoy Pl.
ECKMAN, LULU LEE	Ohio	3914 Huntington St.
*EDGERLY NINA	N. H.	R-S Bldg., Govt. Hotels
EHRINGER, LULA A.	Ind.	2112 F St.
TELESTON, MARY R.	Wis.	1420 R St
ELIASON, MARY E.	D. C.	1712 17th St.
EHRINGER, LULA A. †ELESTON, MARY R. †ELIASON, MARY E. †ELLIOTT, EDITH LOUISE	D. C.	1006 B St. N. E.
*ELLIOTT, JOHN E.	D. C.	1722 21st St.
*ELY, KATHLEEN E.	Iowa	V-W Bldg., Govt. Hotels
EMBRY, WILLIAM EDWIN;	Fla.	2443 14th St.
EMBRY, WILLIAM EDWIN; ENGLE, BYRON E.	Ill.	1741 Church St.
*†ENGLE, HELEN LORRAINE	Texas	1308 Rhode Island Ave.
EPPLER, META F.	Md.	C-D Bldg.; Govt. Hotels
*†Engle, Helen Lorraine Eppler, Meta F. A. B. 1914, Western Marylan	d	,
College		
*Erickson, Esther S.	D. C.	18 Bryant St.
ERNSKY, HELEN MILDRED	N. Y.	1122 13th St.
ESCHER, JULIA M.	Ariz.	1412 15th St.
†ESGATE, EDITH †EVANS, NORMA B.	Iowa	2506 K St.
†Evans, Norma B.	N. Y.	1234 Mass. Ave.
EXLEY, CLARENCE M. JR.,	D. C.	1449 Monroe St.
FAIRFIELD, MYRA O.	Ind.	1760 Euclid St.
*FARLEE, HELEN MAY FARLIN, VIVIA S.	D. C.	636 Irving St.
FARLIN, VIVIA S.	D. C.	2201 Potomac Ave.
FARNHAM, EDITH DEAN FARNHAM, LILLIAN PARKER	Mich.	1933 Park Road
FARNHAM, LILLIAN PARKER	Md.	224 Woolton Ave
		Chevy Chase, Md.
FARRELL, AGNES M.	D. C.	1424 Clifton St.
FARRIS, MAY *FEER, ELIZABETH ANNA	Ind.	3539 13th St.
*FEER, ELIZABETH ANNA	Mass.	1754 Columbia Road
FEREBEE, CORA BOUCHELLE	N. C.	1812 H St.
*FETTER, HELEN HARRIETT	D. C.	1526 29th St.
FEREBEE, CORA BOUCHELLE *FETTER, HELEN HARRIETT FIFIELD, VERA EVELYN	Mass.	1801 California St.
IFINAGIN, LEROY	D. C.	3210 9th Pl. S. E.
FISCHER, HELEN REGINA	D. C.	1744 Lanier Place
*FISHER, ALINE M.	Ind.	1826 Calvert St.
*FITZGERALD, TERSEA *FLAHERTY, EMERY ROBERT FLANAGAN, MILDRED V. *FLEMING, JEAN B.	D. C.	P-Q Bldg., Govt. Hotels
*FLAHERTY, EMERY ROBERT	Va.	P-Q Bldg., Govt. Hotels Herndon, Va.
FLANAGAN, MILDRED V.	Va.	3288 Hiatt Place
FLEMING, JEAN B.	III.	V-W Bldg., Govt. Hotels
FLETCHER, LILLIAN HILDA	Vt.	1489 Newton St.
*FLETCHER, PEARL A.	Mich.	42 Rhode Island Ave.
FLINN, THERESA M.	Pa.	2304 First St.
*FLOOD, GENEVIEVE	D. C.	1322 Mass. Ave.
FLYNN, ALICE W.	N. Y.	2603 Mozart Place
*FOLEY, MAE C.	Wis.	56 Channing St.
FORD, DORIS LILLIAN	Mass.	1240 11th St.
FOREMAN, GENEVIEVE	111.	1256 Columbia Road
*†FOSTER, ANITA H.	D. C.	1505 22d St.
*†FOSTER, E. M.	D. C.	1505 22d St.
FRAKER, ADA ELLEN	Tenn.	1124 12th St.

	FRAKER, MAY	Tenn.	. 1124 12th St.
	FRANTZ, FRIEDA A.	N. Y.	1416 R St.
	FREEMAN, ELSIE M.	III.	1150 North Capitol St.
	*FREEMAN, HARRIET A.	Ore.	2117 G St.
	FREY, MABEL JOYCE	D. C.	1448 Park Road
	*FRIX, LAURA GORDON	Ga.	Copley Courts
	Epoamo Crapus Emisso	Minn.	113 Kentucky Ave. S. E.
	FROATS, GLADYS ETHEL	W. Va.	815 Conn. Ave.
	FRYE, ÎNA LEE		436 10th St.
	FULLER, LOUISE	III.	
	FUTTERER, LULU M.	D. C.	1446 N St.
	*GAHN, BESSIE W.	D. C.	East Wardman Courts
	*GALBRAITH, ESTHER E.	D. C.	3425 14th St. N. E.
	A. B., 1914, George Washingto	on	
	University		
	GALE, ELLEN F.	Minn.	Maryland Apt.
	*†GANS, WILHELMINA BURTON	D. C.	The Iowa
	GARBER, ELSIE S.	D. C.	1480 Harvard St.
	GARDNER, KATHRYN	Mo.	1318 Harvard St.
	GARGES, ISABEL ANNE	D. C.	1834 Calvert St.
	GARRATT, INEZ E.	N. Y.	1336 11th St.
	*GARRETT RETTY R	Pa.	1815 18th St.
	GARRETT EDNA S	Pa. N. Y.	V-W Bldg. Govt. Hotels
	*Garrett, Betty B. †Garrett, Edna S. *Garvin, Ruth I.	Ind.	617 M St. N. E.
	*GARRIOVIA MARKE HORE	D. C.	2017 I St.
	*GARZIGLIA, MARIE HOWE	D. C.	2735 Ontario Road
	GATES, ISABEL LIKENS		2735 Ontario Road
	GATES, MARGARET 1.	D. C.	1901 18th St.
	*GATES, MARGARET I. GATES, PHEBE CHAPPELL	D. C.	1226 Mass. Ave.
	GAUGHAN, FRANK J.	Pa. N. Y.	
	GAULT, ANNA CAROLINE	N.Y.	508 5th St.
	GBRBER, ELLA M.	D. C.	701 Florida Ave.
	*GERBER, HELEN CATHERNIE	DC.	The Iowa
	GESSFORD, ROGER D.	D. C.	2536 14th St.
_	GIBSON, MARGARET C. GILPIN, BETTIE	N. Y.	1206 Lamont St.
	GILPIN, BETTIE	D. C.	14 Concord Ave.
	GLANCY, MARY ELLA	Kans.	1110 M St.
	GLEASON, MARY HANNAH	Mass.	I-K Bldg., Govt. Hotels
	GLEISSNER, GRETCHEN L.	Minn.	633 Kenyon St.
	GLENN, AMY	Texas	1325 11th St.
	CI HAVE COM W. MANNEY	Texas	1325 11th St.
	GLENN, SUE KATHRYN	Me.	112 Varnum St.
	GODDARD, EUNICE F.	Pa.	5102 14th St.
	GOEHRING, RICHARD E.	-	Tuxedo Apts.
	GOLD, DEBORAH IDA	Mass.	1317 Columbia Road
	GORMAN, JOHN I.	D. C.	1311 14th St.
	TGOTT, MARY E.	Mo.	
	GRAHAM, ALINE STOCKS	Va.	76 Monmouth Ave.,
			Cherrydale, Va.
	†GRAHAM, JAMES G.	N. Y.	Walter Reed Hospital
	CHAHAM, LUCILE A.	Va.	Arlington, Va.
	GRAHAM, MARY EDITH	D. C.	3015 Dunbarton Ave.
	GRAMMER, ELIZABETH *GRAVES, FLORENCE A. GRAY, WINIFRED A.	Va.	3062 Q St.
	*GRAVES, FLORENCE A.	D. C.	Smithsonian Institution
	GRAY, WINIFRED A.	W. Va.	G-H Bldg., Govt. Hotels
	GREENLEAP, WALTER JAMES	Me.	1012 17th St.
	GREENUP NELL BLANCHE	Mo.	1910 16th St.
	GREENUP, NELL BLANCHE *†GREER, CHRISTINE ANN	D. C.	207 S St.
	GREGORY, L. BLANCHE	N. C.	1733 P St.
	GRIFFITH, HAZEL ELIZABETH	D. C.	2116 Conn. Ave.
	TIAZEL ELIZABETH	2.0.	

D. C. †GRIFFITH, OLIN N. D. C. GRIFFITH, VIRGINIA ROSEBERRY D. C. 2116 Conn. Ave. 2116 Conn. Ave. 119 12th St. N. E. Pa. GRIMMINGER, ANNA S. Brentwood, Md. Md. GRONCKE, CHRISTINE 212 2d St. *GROSVENOR, LULU E. Iowa 612 3d St. GUEST, WILLIAM HENRY S. C. †Gunnells, Martha Gunnison, Elizabeth I. Gunter, Dorothy C. Md. 722 18th St. 216 E St. N. E. Neb. 1445 Mass. Ave. D. C. *HAAS, FRIEDA K. 2507 17th St. Ohio HAGEMANN, ELEANOR FELICITAS Germany 2141 Wyoming Ave. 1358 Harvard St. *HALDERMAN, CHARLOTTE D. Pa. *HALEY, THERESE V. D. C 1341 Perry Place *HALIDAY, JOSEPHINE BROMLEY Pa. 608 A St. S. E. 808 Mass. Ave. N. E. *HALL, NETTIE RUTH III. Mt. Rainier, Md. THALLEY, ELLA I. Md. *HALLINAN, MARY L. D. C. 1723 Euclid St. *HALVERSON, LILLIAN GRACE S. Dak. 1028 16th St. *HAM, MARY LUCY 401 6th St N. Y. *Hamelin, Grace Cecilia 1495 Newton St. Mass. HAMILTON, ANNA MARY Pa. 626 D St. N. E. *HANDY, MARIE BRECKENRIDGE HANLEY, LORETTA M. 1937 Park Road D. C. 1304 Fairmont St. Vt. D. C. 608 I St. S. E. †HANNAH, GEORGE M. *HANNON, ALLETA *†HANSEN, DORA D. C. 2120 G St. Va. Vienna, Va. *Happer, Helen Cameron *Hardy, Conya L. 1443 Belmont St. Canada 1916 G St. S. C. *HARGETT, HELEN RUTH Kans. 1710 P St. HARRIS, ANNA MARY III. 1717 17th St. 1736 F St. 1717 17th St. *Harris, Birdie Harris, M. Marie Texas Ill. 2306 First St. D. C. HARRIS, PAULINE ELIZABETH HARRIS, PHILIP R. 1870 Monroe St. D. C. HARRISON, MARGARET T. HARRISON, MARY I. HARTMAN, ALFRED A. N. J. D. C. The Alabama 619 23d St. 3456 Newark Ave. Conn. *Harvey, Abigail Harvey, Nelle S. *Haslup, Leanore A 2146 Florida Ave. D. C. Texas 1315 P St. D. C. D. C. 2114 18th St. 2347 Ashmead Place L-M Bldg., Govt. Hotels *HAUSMAN, MARY LOUISE HAY, MARY M. Conn. HAYES, MARY ALETHA Ind. D. C. 1515 Mass. Ave. †HAYNES, HENRY 1910 G St. HEAL, BERNICE INDIA 629 Lexington Place Ind. HEALY, THOMAS PATRICK HEARIN, JAMIE HOLCOMBE HEATH, LUCILLE O. D. C. 58 Rhode Island Ave. Ala. 1901 Wyoming Ave. Wis. 1839 16th St. HEATH, MYRTLE L. *HEBB, VIRGINIA E. 1839 16th St. Wis. Md. 1205 15th St. †HEDDEN, EVA M. HEFLIN, CECIL RANDOLPH D. C. 1908 Belmont Road Va. 1226 13th St. *Heidler, Antoinette Marie III. N. Y. P-Q Bldg., Govt. Hotels HEIN, YRSA HEISS, MARGARET E. Wardman Courts, West D. C. D. C. 3712 Keokuk St. †HEITMULLER, HELEN P. †HENDERSON, EMMA LOUISE 1505 22d St. Colo. 1414 16th St.

**		
HENDERSON, BERTHA	D. C.	2613 13th St.
*HENDERSON, JOHN RAYMOND	D. C.	3803 Keokuk St.
*HENDRIKSON, LYDIA	D. C.	1638 15th St.
*Henske, Godfrey W.	Mo.	Walter Reed Hospital
Umpanne I W.	10.	
HERBERT, JAMES W.	D. C.	2020 G St.
HERRING, ANNIE F.	N. C.	128 E st. S. E.
*HERRING, ELEANOR EMMA	W. Va.	1326 Park Road
*HERRING, ELEANOR EMMA *HESTER, MARGARET	D. C.	2114 G St.
HETTMAN, ANN M.	111.	
HIGHMAN, ANN M.	D.C	1104 M St.
HICKEY, MARY J. C.	D. C.	516½ 2d St. S. E.
*HILEY, MARIHUE	Ala.	64 Randolph Place
HIRONIMUS, HELEN C.	Ind.	436 10th St.
*Hoagland, Margaret Todd	D. C.	The Cordova
*Hoagland, Margaret Todd †Hochwalt, Earl B.	Ohio	Walter Reed Hospital
HOPE From S		
HOFF, FLORA S.	N.Y.	1316 Euclid St.
HOFFMAN, DALE ELIZABETH	Mo.	1929 Calvert St.
HOLE, MYRA CADWALADER	D. C.	308. The Lonsdale
HOLLINGSWORTH, FAYE	Okla.	Fontanet Courts
HOLLINGSWORTH, GEORGE WAYN	E Okla.	Fontanet Courts
†HOLMES, EDITH F.	S. Dak.	2320 G St.
HOLMES, GRACE BRUCE	D. C.	
*HOTAGE MAN WALLE	D. C.	721 Shepherd St.
*HOLMES, MRS. WILLIAM H.	D. C.	1454 Belmont St.
*HOLMES, RUTH MADELINE	D. C.	910 Webster St.
THOLT, RALPH MANNING	N. C.	1600 Rhode Island Avenue
*Hooker, Blanche F.	111.	2009 N St.
*Hooker, Blanche F. *Hoover, Martha A.	D. C.	1340 Irving St.
HOPE, MARY	D. C.	1733 Q St.
HOPKING HELEN U.	D. C.	1926 Biltmore St.
HOPKINS, HELEN HILL	1. 0.	P-Q Bldg., Govt. Hotels
HORAN, AGNES C.	N. Y.	1717 OFAL CA
†HORNTHAL, HENRY AMISS HOUGHTON, GRACE L.	Va.	1717 35th St.
HOUGHTON, GRACE L.	Mass.	313 A St. S. E.
*Hout, Harry L., Jr.	Va.	2015 Flagler Place
Howe, Louise Marguerite	N. Y.	2137 LeRoy Place
HOWLETT, BESSIE	D. C.	1000 22d St.
HEOMATE LAST C	Iowa	1634 19th St.
HROMATKO, JANE S.		201 Tenn. Ave. N. E.
HUBBS, WILMA M.	W. Va.	
HUBER, ARISTA	Ohio	58 Bryant St.
†Hudson, Teresa E.	Va.	1010 New Hamp. Ave.
HUFP, FANNIE MAR	Tenn.	206 13th St. N. E.
*HULETT, ALICE M.	D. C.	108 9th St. S. E.
*Humphreys, Elizabeth		
FONTAINE FORTAINE	Miss.	1819'G St.
A D 1010 C 1' N	.11155.	1010 G DV
A. B., 1916, Sophie Newcomb		
College		
*HUNT, LESLIE L. HURST LEE NORA	Ill.	5219 Georgia Ave.
HURST, LEE NORA	Ky.	621 Rock Creek Church Rd.
HYER, GRACE L.	D. C.	1332 9th St.
HYNES WYLLIAM LOSENS	Mass.	715 Lawrence St.
HYNES, WILLIAM JOSEPH		
Hyslop, Clarence Monroe	Neb.	2519 Hall Place
*IEHL, LAUREL E. †ILES, CHRISTINE	D. C.	Cumberland Apts.
ILES, CHRISTINE	Kans.	1207 Delafield Place
THOMAS B.	D. C.	443 10th St. N. E.
AVEY. PIDWADD	Tenn.	210 B St. S. E.
*JACKSON, EDITH PARLINE	Ind.	130 12th St. S. E.
JACKSON JOHN VINE	Mo.	1507 30th St.
JACKSON, EDITH PAULINE JACKSON, JOHN VIRGIL		
TOTAL TOTAL TER W.	D. C.	203 Fontanet Courts
JAMES, MINNIE MARGARET	D. C.	3317, General Land Office

D. C. Ala. D. C.

Mich.

Ohio Ohio

D. C.

Iowa

N. Y. Ill.

D. C.

D. C.

Md.

Ill.

D. C.

D. C. Mass. N. Y. N. Y.

Mass.

N. C.

D. C.

D. C. Pa.

D. C.

Conn. D. C. D. C.

Pa.

Pa.

Mo.

Wash.

N.C.

Mont. Pa.

Mass.

D. C.

Pa.

Ind.

Ill. Md.

III.

III.

III.

Ind.

Mich.

D. C.

Md.

*†Jaques, Dorothy Sibyl Jeffers, Claribel Jennings, Harry Parker *Jermain, Nina Laurette Jermain, Nina Laurette Jermain, Anne Elizabeth Jerman, Edith Catherine Jermyn, Marion Sherlock Jerolaman, Vera N. Jevis, C. Marie †Jewett, Elizabeth Alice Joesting, Alice Lillian *Johnson, Catherine K. *†Johnson, Esther Johnson, George W., Jr. Johnson, Margaret L. Johnson, Margaret L. Johnson, Minnie Josephine Johnston, Marie A. *Johnston, Marie A. *Johnston, Ingrid Joyce, Sara J. M. *Justice, Margaret *Kain, Helen Gladys A. B. 1917, George Washington University

*KALABOKE, KYNAKE LILLIAN KAUFMANN, JAMES L. KEEL, SUSIE *Keeler, Betty M.

*Keelher, Nellie M.

†Keller, Esther Mary

*Keller, Rilla Mae

Kelly, Florence Claire

Kemp, Dangerea *KENNEDY, DOROTHEA KERR, NELL W. *KESSINGER, MARGUERITE D. KESSLER, MARY L. *KIEFER, ALPHA H. *KIEFER, CLARENCE M. KING, MERRILL BARNETT KIRK, MAY TOWLES KIRKPATRICK, MARY REGINA KIRSCHNER, SAMUEL *KLAUSER, EDNA MARIE *KLAUSER, GENEVA LUCILLE KLEPINGER, EDITH M. KNISELY, EDNA †KOCHY, GENEVIEVE KRAL, GEORGIANA †KRAMER, CHARLES FREDERICK, JR. KRIDER, IDA FRANK †KRIENHAGEN, INEZ M. *KROTZER, MARGARET E. KUHLMAN, WILLIAM D. †KUSCHKE, LILLIEN B.

217 3d St. S. E. 214 2d St. N. E 1136 Buchanan St. 1209 O St. 1764 U St. 1764 U St. 908 11th St. 1315 K St. Fontanet Courts 214 B St. S. E. 1858 California St. 2108 16th St. 214 5th St. S. E 204 11th St. S. E. 1404 Emerson St. 2300 18th St. 1324 Vermont Ave. 1929 18th St. 1617 19th St. 10 Rhode Island Ave. L-M Bldg., Govt. Hotels 2113 Bancroft Place G. W. U. Medical School

637 F St. 1135 17th St. 1316 K St. 1501 16th St. 3455 14th St. 736 12th St. 2126 H St. 1014 Vermont Ave. War Risk Bureau 2120 O St. 656 Mass. Ave 2137 LeRoy Place Sherman Apts. 3521 14th St. 2113 N St. 1739 P St. 308 F St. 22 R St. N. E. 1439 Chapin St. 1307 29th St. 1307 20th St Monmouth Hotel 130 12th St. S. E. 1113 11th St. 1814 Kilbourne Place

 Md.
 College Park, Md.

 Kansas
 1362 Newton St.

 Ind.
 1416 K St.

 Iowa
 1712 17th St.

 Va.
 1938 Biltmore St.

 Texas
 3701 14th St.

KUTZ, MIRIAM L.	Ind.	1227 15th St.
Lann Mary P		
LADD, MARY B.	D. C.	1781 Columbia Road
*LAMBERT, AILEEN J.	N. Y. W. Va.	2540 14th St.
LANCASTER, OLIVE	W. Va.	201 Tenn. Ave. N. E.
LANCASTER, RUTH ELLEN	III.	Y-V Plda Cout U-t-l-
LANDED VANDER	W.	X-Y Bldg., Govt. Hotels
LANDER, KATHRYN DOUGLAS	Ky.	217 Falkstone Courts
LANE, MABLE	Wash.	E-F Bldg, Govt. Hotels
LANGWORTHY, DORIS W.	D. C.	1424 Madison St.
tl approx America Comment		
LARSEN, ARNOLD CONRAD	D. C.	Marine Barracks
*Larson, Eve Pearle Lasker, David Harold	III.	1929 Calvert St.
LASKER, DAVID HAROLD	Mass.	The Maury
A R 1010 Roston University	4	and madily
A. B., 1919, Boston Universi	ty	
LATIMER, BLANCHE	Mo.	1100 New Hamp. Ave.
LATIMER, MARGARET E.	Md.	U. S. Geological Survey
*LAURENCE, ELSIE H.	Canada	Al Cineral St. N. E.
LAW And Cooper		Annual Control of the
LAW, ADA COOPER	Fla.	706 11th St.
LAWSON, EDWARD BURNETT	D. C.	206 13th St. N. E.
LEAHY, EMELIA A.	III.	1705 13th St.
*LECORON Examples M		
*Leggett, Florence M.	Md.	104 Raymond St.,
**		Chevy Chase, Md.
*Lehmann, Marie C. Leighton, Sarah Jane	D. C.	420 East Capitol St.
LEIGHTON SARAH LAND		2141 Wyoming Asia
I PARAM JANE	D. C.	2141 Wyoming Ave.
LENNON, JESSTE M	Pa.	10 Rhode Island Ave.
*Leslie, Ruth Lesser, Isador	Miss.	1740 K St.
LESSER, ISADOR	Mass.	925 N St.
*LEVINGON W.	T) CI	000 M 04
*LEVINSON, KATHERINE	D. C.	623 M St.
ILEWIS, CATHERINE DEMILLE	N. Y.	744 Newton St.
LILE, CAROLYN WORD	D. C.	517 Park Road
LINTZ, DOROTHY		
Lymn - AUROTHY	N. Y.	2506 K St.
LITTLE, ANNIE S.	Ohio	R-S Bldg., Govt. Hotels
LIVINGSTON, LOUIS	D. C.	2511 14th St.
*LIVINGSTON, NORA E.	Ore.	
		X-Y Bldg., Govt. Hotels
LOCKE, VERNIE M. LOCKRIDGE, RICHARD O. LOCKWOOD, MARY MORRIS LOHMANN, BLANCHE LOHMER, FLORENCE	N. Y.	Clarendon, Va.
LOCKRIDGE, RICHARD O.	Mo.	1355 Monroe St.
LOCKWOOD MARY MORRIS	N. J.	1729 H St.
LOHMANN De		
TOTALANN, DLANCHE	D. C.	429 4th St. N. E.
LONEY, HOWARD C.	Ohio	729 3d St. N. E.
LONEY, HOWARD C	D. C.	712 Rock Creek Church Rd.
Long, Carleton Mansfield Long, William Slaughter		
LONG, CARLETON MANSFIELD	Md.	Smithsonian Inst.
TONG, WILLIAM SLAUGHTER	D. C.	621 Lexington Pl. N. E.
CAUGELLAIW. ALICE	Neb.	41 Girard St. N. E.
LOVE Erray I		
LOVE, ELLEN L.	Va.	3746 McKinley St.
LOVELESS, RUAH C.	D. C.	1820 K St.
CAS, HARRY	D. C.	1869 Wyoming Ave.
LUKENS DODOWN U		1701 01et St
*LUKENS, DOROTHY H.	D. C.	1721 21st St.
	D. C.	2402 14th St.
†LUTIS, MAUDE LYNN, HYLDA MARIE	Ky.	1639 W St. S. E.
LYNN, HYLDA MARIE	Fla.	926 B St. S. W.
McCARR In		1050 Now Home Ass
*MCCABE, JEANETTE	N. C.	1259 New Hamp. Ave.
	Idaho	139, Senate Office Bldg.
McCandless, Ida	Mo.	2055 Park Road
*McCarthy, Deborah A. McCarthy, William Anthony McCarty, Oneta *McClain, Anna Bradford *McClelland, Vesta G.		
MCCADARRA TV	Va.	Cherrydale, Va.
McC. WILLIAM ANTHONY	Va.	Cherrydale, Va.
RAGE CARTY, ONETA	Wash.	1439 Park Road
MCCLAIN, ANNA READEONE	Mo.	SOS Mass. Ave. N. E.
McCLELLAND VICE	m 0.0	
*McCanaland, VESTA G.	III.	1424 R St.
*McClelland, Vesta G. *McCloskey, Catherine E.	Okla.	1354 Otis Place

McClurg, Blanche	Ind.	1527 O St.
McCovers Many Cranyo	Texas	40 T St.
McConnell, Mary Gladys McCready, Helen B. McCully, Letha M.	Canada	1501 11th St.
McCreate I popper M	Okla.	1337 Park Road
*McCULLY, LETHA M.	Ill.	4506 15th St.
*McElligott, Agnes B.		1014 B St. S. E.
*McFadden, Rennie	Pa.	1343 Park Road
McFarlane, Jennie G.	Wis.	
McGovern, J. W.	D. C.	Chatham Courts
MCGOVERN, MARY LOUISE	D. C.	Chatham Courts
†McGovern, Mary Louise McGovern, Milton *McIntyre, Effie Caroline McJunkin, Maybelle	D. C.	Chatham Courts
"MCINTYRE, EFFIE CAROLINE	D. C.	2006 Columbia Road
McJunkin, MAYBELLE	Ala.	3417 Holmead Place
McKelway, Alexander	D 0	0071 D -1 D - 1
JEFFREY	D. C.	2071 Park Road
*McKinney, Myrna Estella	Pa.	608 A St. S. E.
†McMullin, Della Marie	III.	231, The Portner
*McNamara, Elizabeth G.	N. Y.	1350 Monroe St. N. E.
McNulty, Katherine S.	Colo.	323 2d St. S. E.
†MACBRIDE, NELLIE M.	Pa.	601 E St.
†MacDonald, Junius Roumaine	N. C.	1736 G St.
†MacDougal, Helen A.	III.	1321 Belmont St.
*MacDougal, Helen A. *MacIntosh, Lulu M.	D. C.	821 North Car. Ave. S. E
†MACKEVRICAN, MARGARET	Pa.	487 F St. S. W.
*MACSWEENEY, ELIZABETH		
FRANCES	Mass.	1401 Emerson St.
†MADEIRA, ELIZABETH B.	Ohio	1467 Monroe St.
*MAGEE, DIMPLE	D.C.	1448 Girard St.
Magie, Hazel	Md.	Bethesda, Md.
MAGUE, ETHEL M.	Mass.	1603 G St. S. E.
*†MAHOOD, F. MILDRED	Pa.	1841 Mintwood Place
*MALCOLM EDWINA ROSE	N. Y.	1840 North Capitol St.
*Malcolm, Edwina Rose *Mallory, Walter L. Maloney, Emma J.	Va.	Cherrydale, Va.
MALLORY, WALTER L.	D. C.	The New Berne
MANGER AND I	-	The Ethelhurst
MANCHESTER, ANNE J.	Pa.	The Editeriors
*Manderschied, Jane	DC	1412 Mass. Ave.
TOMPKINS	D. C.	
*Mangum, James Evans Manning, Clyde A. Marcus, Ida F.	Ga.	802 21st St.
MANNING, CLYDE A.	Ga.	1306 Euclid St.
MARCUS, IDA F.	Pa.	P-Q Bldg., Govt. Hotels
MARLOW, JOHN HOWARD	D. C.	The Kenesaw
MARLOWE, MABEL	Okla.	219 A St. S. E.
*Marsh, Dorothy	D. C.	1446 Fairmont St.
MARSHALL, FLORENCE E.	N. H.	1343 Clifton St.
*Marshino, Ora	Ky.	Children's Bureau
*Martin, Clare C.	D. C.	709 Quincy Place
MARTINSON, ELLEN	Minn.	1415 Mass. Ave.
Mason, Bess M.	Ky.	510 Randolph St.
*Mason, Faye	Ohio	1319 Mass. Ave.
MATHEWS, CLAIRE	Colo.	400 A St. S. E.
*MATTERN, JOHN HENRY, JR.	N. Y.	1314 Mass. Ave.
*MATTERN, JOHN HENRY, JR. *MAURER, FLORA K.	Ill.	1412 Chapin St.
MAY, CAROLINE	III.	718 19th St.
*Meade, George A.	Mass.	The Maury
MEARS, ATHERTON H.	D. C.	3917 Livingston St.
†MELENCIO, JOSE P.	PL	2618 Conn. Ave.
*MENZIE, EDNA M.	P. I. N. Y.	1652 Park Road
*MERCER, LOUISE M.	Ohio .	1319 Mass. Ave.
and and and area	VIIII	AULU IVALISO, ZEVU.

MERRILL, BLANCHE E. MERRILL, ESTHER IRENE MERRILL, GWENDOLYN IRENE *MICHOT, ANNIE EUGENIA MILES, EDITH CAROLINE *MILES, MABEL MILLER, CLAUDIA S. *MILLER, ERMA C. *MILLER, EVA †MILLER, HAZEL A. MILLER, MAUD L. *MILLER, RUTH A. D. MILLS, GRACE E. †MINICK, ROMAYNE E. MINNIX, CATHERINE MIX, ANNA E. MIXTER, PAUL Moerman, Louis F. Molster, Jean Lawson MON, ORA MAY MONAHAN, ANNE RACHEL *Monahan, Helen F. *Monahan, J. Edith *Monroe, Sarah Agnes *Moody, Luta M.
*Moore, C. L.
*Moore, Julia Anne *Moore, Paul H. *Moran, Emily
*Moran, Margaret Louise
†Morey, Lilvan C. MORGAN, ALETHA JULIA MORGAN, RALPH E. *MOSELEY, ELIZABETH L. *MOSELEY, LUCILLE C. *MULCAHY, ANNA R.
*MUNRO, CAROLINE WALKER
MURPHY, M. REGINA
MURRAY, ESTHER L. †Murray, Thelma Marie Muse, Benjamin *MYERLY, PAULINE MYERS, BROWNIE P. MYERS, GEORGE ALBERT MYERS, RUTH MYERS, TEXIE D. NATHANSON, ESTHER NAUCK, OSCAR
NAYLOR, MARY BODINE
NEIDIG, CHRISTINE ESTELLE
HUDING *Nelson, CARL HILDING *Nelson, Ruth J. NESTROM, MATHILDA NEUMAN, VIOLA M. NEWELL, WILLIAM C. NEWHOUSE, CHARLES A. NEWHOUSE, PANSY E.

D. C. Ohio Texas Mass. Mont. Va. Wis. Iowa Neb. Mich. Pa. Miss. Pa. D. C. Md. Mich. Pa. D. C. III. N. J. D. C. Ind. Va. Mo. Tenn. Texas 115 I St. D. C. Calif. D. C. Minn. D. C. Pa. Texas 918 M St. Ky. Pa. N. J. Mass. Md. 1631 R St. Ala. Va. Ind. Miss. D. C. 111. Miss. Va. D. C. D. C. Pa. Mass. D. C. Mich. Va. N.C.

Ind. Ind.

731 22d St. 731 22d St. 1764 U St. 1812 N St. V-W Bldg. Govt., Hotels 1252 Columbia Road 337 North Car. Ave. S. E. 3600 New Hamp. Ave. 2506 K St. 3327 17th St. 504 B St. N. E. 2120 P St. 411c Wardman Park Hotel 1116 Vermont Ave. 1328 Randolph St. 113 Maryland Ave. N. E. 1842 Calvert St. 1343 Franklin St. N. E. 934 Kearney St. N. E. The Sherman 2501 Irving St. 161 Rhode Island Ave. N. E. A-B Bldg. Govt., Hotels 1840 Biltmore St. 1323 R St. 1735 F St. 1965 Biltmore St. 119 C St. N. E. 1727 Columbia Road 1412 Crittenden St. 47 Seaton Place 721 Butternut St. 1336 11th St 1412 Chapin St. 1413 Mass. Ave, 1318 Harvard St. 714 Upshur St. 1833 M St. The Cordova 1116 Vermont Ave. 649 Md. Ave. N. E. 1372 Kenyon St. 1116 Vermont Ave. 1414 12th St. 5808 Georgia Ave. 629 12th St. N. E. 37 Rhode Island Ave. Arlington, Va. 502 E St. N. E. 2560 University Place Clarendon, Va. 2511 14th St. 214 New Jersey Avo 214 New Jersey Ave.

Ind.

D. C. R. I. Me. III. D. C. N. Y.

III.

D. C. Kans. D.C.

Va. Va. D.C. Pa. D. C. D. C.

D. C.

NEWHOUSE, RUBY M. NEWMAN, AGNES M. †NICHOLS, ALICE VIRGINIA NICHOLS, GRACE D.
NICHOLS, GRACE D.
NICHOLS, LOIS NICHOLS, STANLEY W.
NICHOLSON, FAY M.
NICHOLSON, MARGARET M.
NIEMEYER, ERNESTINE NISSEN, CARL C.
*Nolan, Teresa Agnes
NOLL, HAZEL
*Nordlinger, Jennye Norris, Jennilu
NORTHRUP, EDYTHE C.
NORTON, ANNA BESSIE
*Norton, Golder Barnes Nourse, Margaret R.
Noyes, Martha
*NYE, MABEL A.
O'CONNELL, MARY O'DONNELL, MARY A.
ODSTED. FLORENCE C.
ODSTED, FLORENCE C. OGDEN, VIVIAN *OLIVER, ELSIE MAY †OLIVER, ESTELLE ISABEL
*OLIVER, ELSIE MAY
OLSEN, GEORGE L.
*ORMEROD, F. BERNICE
*Ormerod, Lucy L.
O'ROURKE, CAROLYN OSBORN, ELEANOR RUSSELL
*Osborn, Harry Ellis
OSTER, MARIE V.
OVERBEY, DORA
OWEN, LOU C.

Ind.	214 New Jersey Ave.
Va.	3617 New Hamp. Ave.
D. C.	517 Rhode Island Ave.
Mass.	L-M Bldg., Govt. Hotels
D. C.	4006 New Hamp. Ave.
111.	1346 Park Road
S. Dak.	1515 Mass. Ave.
D.C.	1000 Maryland Ave.
D. C.	1708 Lawrence St. N. E.
D. C.	4203 Fessenden St.
N. Y.	Monmouth Hotel
Pa.	Y. W. C. A. Silver Spring, Md.
D. C.	3113 N St.
Ga.	31 B St.
D. C.	Stratford Hotel
D. C.	804 Rhode Island Ave.
D. C.	804 Rhode Island Ave.
Va.	U. S. Geological Survey
Pa.	1219 12th St.
N. Y.	2603 Mozart Place
Ind.	809 22d St.
III.	1430 Longfellow St.
N. J.	3640 11th St.
Mo.	1436 R St.
Va.	1447 Girard St.
Texas	605 P St.
Minn.	1829 L St.
D. C.	4104 4th St.
D. C.	4104 4th St.
D. C.	1726 Mass. Ave.
Conn.	1812 H Street
Mich.	1624 I St.
Minn.	Rosslyn, Va., R. 1
Tenn.	1028 16th St.
Tenn.	Blue Triangle House,
	N. Cap. and E Sts.
Md.	Southern Bldg.
Md.	143 D St. S. E.
D. C.	4622 15th St.
D. C.	Wardman Courts, West.
DO	010 77 1 04

812 Upshur St. R-S Bldg., Govt. Hotels 1621 17th St.

316 Wardman Courts, West 1819 G St.

7 Iowa Circle 933 N St. 2603 Mozart Place

1819 G St.

514 Lamont St.

436a Warner St. 418 Warner St. 1448 Fairmont St. 1841 Mintwood Place

1345 Q St. 229 Pa. Ave. S. E. 2006 N St.

914 Novy Townsy Asse

†PERDUE, THOMAS F. PERKINS, MANLIUS MILLS †PERRY, HARRY LEO PERRY, SHELBY D. C. 110 5th St. N. E. 2211 H St. 1601 31st St Vt. Iowa 48 G St. S. W. D. C * Peters, Dora C. M. D. C. 1520 9th St. PETERS, MAURICE 717 8th St. N. E. 1133 Allison St. Wis. PETERSON, LOTTIE J. PETERSON, PHOEBE L. D. Minn, 2622 11th St Kans. PHELPS, ANNABELLE WINGATE D. C. N. J. D. C. 2641 Garfield St. PHILBROOK, MARY
PILCHER, RUTH ELIZABETH
PITCHER, LOIS
PITTARD, ORELLA
PIXLEY, CATHERINE H.
PLATE, ETHEL LORENDA D. C. Va. Fla. Pa. PLUMMER, MARGUERITE POLLOCK, REBECCA Ind. Okla. *Pomeroy, Eugene C. *Pomeroy, Mrs. Eugene C. N. J. N. J. POPE, CHESTER A. POPE, WALTER HOWARD N. Dak. Ohio POPPESCU, VALENTINE C.
PORTER, CHARLES W.
PORTER, GLADYS I.
PORTER, IRIS L.
POSTLEY, OLIVE C.
POSTLEY, ULIVAN R. Mo. D. C. Me. Ky. D. C. *POWELL, LILLIAN B. Tenn. *Powell, Mary L. Prender, Elizabeth D. C. D. C. D. C. Ohio *Prendergast, Bertha M. PRETTYMAN, HAZEL E. *PRIBULA, STEPHANI Md. †PRITCHETT, ETHEL PROCHASKA, INEZ M. PURSGLOVE, ELSIE M. D. C. Mich. D. C. PUTNAM, BERTHA A.
PUTNAM, PERSIS
QUICK, RUTH G. D. C. III. D. C. *Quinlan, BEATRICE M. Ohio QUIRK, ELLEN M. D. C. RAGAN, ELEANOR M. Mo. †RANDALL, KATHERINE C. RASUL, H. GALUMU *RAY, RUTH R. Minn. P. I. Okla. REED, ALBERT C. D. C. Mich. REID, DON C. Iowa Pa.

REBUSCHATIS, MARION REED, DORIS M. REILEY, ELIZABETH W. *Reinohl, Bessie Enders *RENSHAW, MARY M. *RICE, LOUISE GERTRUDE RICHARDS, FLORENCE LOUISE RICHARDSON, JAMES DEE RICHARDSON, WILLIAM W. RICKER, ANNE ELIZABETH

1730 H St. 2118 18th St 3910 McKinley St. 800 10th St. 119 U St. 511 Columbia Road 214 New Jersey Ave. 1743 Pa. Ave. 2023 O St. 2023 O St. 2114 G St. Y. M. C. A. 724 7th St. S. E 1328 Fairmont St. 941 H St. 2010 O St. 1362 Irving St. 1662 Park Road 628 6th St. N. E. 747 10th St. S. E. 1504 12th St. 1341 Irving St. Mt. Rainier, Md. 1745 Kalorama Road 925 New York Ave. 1530 25th St. 1231 Talbert St. S. E. X-Y Bldg., Govt. Hotels 14 Jackson Place 1858 Columbia Road 1332 I St. 1431 Newton St. The Brunswick Bureau of Insular Affairs Y. W. C. A., Silver Spring, Md. 3228 Hiatt Place 1741 F St. 1936 Calvert St. 1404 12th St. 1028 16th St. Ohio 1105 13th St. 1213 Fairmont St. D. C. D. C. Ohio 1012 Spring Road 1209 13th St. D. C. 1832 Biltmore St. 1121 10th St. D. C. Rosslyn, Va., R. F. D. No. 4 Va.

RICKER, KATE A. RICKETTS, CHARLES W., JR. *RIDER, INA G. RIGHTER, MARY Y. *RIORDAN, AGNES ROBBINS, ELIZABETH †Roberts, Annie P.

ROBERTS, BESSIE M. ROBEY, GRACE HELEN ROBINSON, MARGUERITE ROBINSON, M. EDITH *RODRIGUEZ, TERESE *Rogers, Daisy L. *Ronald, Marjorie C. *Ronndey, Florence E.
*Rorer, Eula
Rose, Helen Trent
Rose, Myrtle B. ROSENBLOOM, SARA R. †ROUECHE, WILLIAM N. ROYER, ALBERT T. *Runkle, Evelyn Carolyn Rupert, Pearl P. Russ, Lucy *Russell, Eugene W. †Russell, Mary Porter *Ryland, Robert A. *SALQUIST, EDITH CAROLYN SAMUELS, LEROY T. †SARGENT, ANNIE M. SAUNDERS, FLORENCE M. *SAVAGE, ROBERT W. *Scharf, John G. *Schiffer, Marie V. †Schiller, Milford Schofield, E. Eleanor *Scholen, Hanna †Schooler, Yetta Betty Schrepfer, Bertha Schubert, Alleen *SCHUKRAFT, INEZ VIVIAN SCHUTZ, NICOLAS *Schwartz, Rose SCOTT, ALICE B. *Scully, Genevieve †SEAMANS, GLADYS B. SESTA, JOSEPH SEVERSON, PAUL ALBERT SHAFER, WILLIAM †Shaffer, Vernye M. Shah, Pan Francis *SHAW, ELIZABETH M. *SHAW, JOSEPHINE SHEA, MARY FRANCIS *SHEPHERD, MARGUERITE SHELDRAKE, MARY OSWALD

Va. 1009 K St. N. E. D. C. 1742 F St. D. C. 1254 Irving St. D. C. D. C. 717 H St 3114 18th St. Colo.

E-F Bldg., Govt. Hotels 1612 King St., Alexandria, Va. Va. 1341 Otis Place Kans. 2118 G St Md. 2560 University Place 1415 Park Ave. Colo. D. C. D. C. 814 22d St. 1105 O St. Miss. 2137 LeRoy Place Wardman Courts, East Ill. D. C 1800 K St. D. C. Hyattsville, Md. Md. Vt. 1905 15th St. 20th and Florida Ave. Pa. Pa. Georgetown Univ. 1202 N St. Ohio Ohio 223 Rock Creek Church Rd. 539 21st St D. C. 1105 East Capitol St. Ohio Iowa Circle 1320 21st St. Va. Tenn. 1204 O St. Va. Calif. 449 Luray Place D. C. D. C. 1925 35th St. 1749 18th St. 2276 East Capitol St. Texas D. C. D. C. 623 Maryland Ave. N. E. 3411 Brown St. U. S. National Museum 1328 Quincy St. 3501 14th St. Mich. D. C. Va. 2002 G St. Wash. D. C. 624 4½ St. S. W. 1909 North Capitol St. Calif. 219 East Capitol St. D. C. Ind. 1350 Irving St. 1750 M St. 1440 Meridian Place 2554 University Place D. C. N. Y. Md. N. J. III. N. J. 1833 M St. 119 C st. N. E.

707 22d St.

2014 G St.

1430 V St.

2011 F St.

234 E st. N. E.

338 10th St. N. E.

1305 Rhode Island Ave. 2001 19th St.

P-Q Bldg., Govt. Hotels 732 Morton St.

Mo. N. Y.

Pa.

Md.

N. Y. D. C. D. C.

China

SHIPLEY, CARRIE H. SHIVELY, EVA THAYER *SHORT, IDA SHOWERS, ESTHER M. *Shropshire, Juanita †Simmers, Robert L. SIMON, LOIS JOSEPHINE SIMPKINS. DOROTHY K. SIMPSON, GRACE E. *†SINGLETON, INA DUVALL SIX, FRANCIS G. *SKRONDAL, ALICE SLAYBACK, LUCILE SMITH, ALICE CORNELIA SMITH, DAVID PRESTON
*SMITH, DAVID PRESTON
*SMITH, FLORENCE J.
*SMITH, HAZEL E.
SMITH, HELEN
*SMITH, HELEN SMITH, HELEN C. SMITH, ISABELLE GEDDES SMITH, J. VIRGINIA SMITH, MARIANA SMITH, MARY P. SMITH, SUSIE C. †SMITH, THERESA BRICK SNELL, NINA M. *SNODGRASS, WILLIAM F. SOKOLOV, HARRY E. SOUTHWELL, MARIE C. *Southwick, Adelaide Sowersby, Ora *Spruce, Samuel Stuart Stager, Cecil Gayman STANBACK, LESTER STARR, RELDA A. STEIN, HATTIE *STERNER, HOPE R. STEVENS, JAMES EDELBERT *STEVENS, MARY C. *STEVENSON, MARJORIE STEVENSON, MAURICE S. STEWART, ALMA TIFFANT STEWART, EUGENE WILSON STEWART, GRACE STIMMEL, BESS E. *STINE, (MRS.) OSCAR C.

*STOEN BENNETT A.
STONE, CLARA S.
†STONE, EDNA L.
†STONE, MARY PACCIARINI
STONEBRAKER, FLORENCE E.
STRATBUCKER, LOUISE
*STRAWN, ELLA E.
STRONGIN, HERMAN F.
STUARD, MABEL E.

D. C. D. C. 1467 Irving St. 3121 Mt. Pleasant St. S. Dak. 1204 N St. Wash. 931 H St. Texas 1819 G St. Pa. 505 2d St. D. C. 1414 Girard St. 1800 New Hamp. Ave. 1439 T St. Neb. Mass. D. C. 2020 H St. Ill. 1819 Kalorama Road 1819 G St. Wash. N-O Bldg., Govt. Hotels 3242 38th St. Ark. Conn. D. C. 3145 Mt. Pleasant St. 1363 Spring Road 1712 17th St. D. C. Iowa G-H Bldg., Govt. Hotels Ind. Wis. 36 W St. 1209 B St. N. E. Portland Hotel D. C. D. C. Pa. 428 10th St. N. E. 1432 M St. 1315 Clifton St. 1842 2d St. Ky. D. C. Me. D. C. 3401 16th St 1428 Newton St. 1804 Kilbourne Place Kans. Ill. 32 Q St. 2138 California St. D. C. III. D. C. D. C. D. C. 1226 Pa. Ave. S. E. Natl. Zoological Park 1669 Columbia Road 419 Quincy St. 1104 Vermont Ave. D. C. Miss. N. Y. D. C. 120 Randolph St. Concord Apts. Pa. 3465 14th St. 2134 H St. 1333 F St. Ind. D. C D. C. 1812 Ingleside Terrace Walter Reed Hospital Kans. 1709 Q St. 1831 Vernon St. Va. III. W. Va. 2 I St. Mich. 1443 Belmont St. 3810 Keokuk St., D. C. Chevy Chase, D. C. 422 2d St. Minn. 1414 K St. Ky. 1618 Rhode Island Ave. Colorado Bldg. D. C. D. C. D. C. 3433 Oakwood Terrace G. W. U. Hospital Neb. Md. D. C. Landover, Md, 1736 G St.

2118 I St.

D. C.

Iowa

D. C. Vt. N. Y.

Wash.

*STUDDS, CLARA R. †STYLES, ELIZABETH MORGAN SUIT, ARTHUR M. †SULLIVAN, FLORENCE SULLIVAN, JAMES FRANCIS SUMMERS, PAUL D. *SUTHERLAND, VIRGINIA B. SUTTON, DON F. SWAIN, CHRISTINE SWANSON, EDNA M. SWETT, VIRGINIA

SWITZER, BESSIE *TALLENT, ROXIE E. TAPLEY, GLADYS *TAYLOR, BLANCHE TAYLOR, DOROTHY E. TAYLOR, ELLEN M. TECH, RUTH E. TEILLARD, DOROTHY L. TERRELL, WILLIAM PRESCOTT *Thomas, Grace Deborah *Thomas, Lillie M. THURLBY, GLADYS LEONE THURSTON, CLARENA N. *TITUS, HELEN E. *Todhunter, Eugenia H. Towers, KATHERINE M. Towsley, Alice M. *Treanor, Honoria Sapelo Treiman, Martha Trott, Florence †TRUE, MABEL M.
TRUNDLE, MAY H.
*TULLY, MARGARET R.
TUOHY, ANNA TURNER, MABEL L. TURNER, PATTIE MANGUM *Typings, Mary L. *Tyree, Elizabeth Rigby *UMHAU, CHRISTINE K. *UMHAU, KATHERINE S. *UNRUH, JUNE M. *Vancleave, Dora M. *VanDalen, Lillian I. VAUGHAN, WILLIAM E., JR. VELIE, EDNA M. *VESTAL, RUFUS M VINCEL, EDNA B. VINCENT, WALTER J. VOELKER, ARTHUR H. †VOGT, GRACE K. VOIGT, ANNA M. VORHALE, EMMA H. *WADLEY, ANNA *WALKER, ANN M. WALKER, EFFIE L.

1409 New Jersey Ave. D. C. Falls Church, Va. Continental Trust Bldg. Va. Mich. Pa. 1304 Shepherd St. 502 First St. S. E. Mass. 1316 Euclid St. 2119 Conn. Ave. Wash. W. Va. D. C. 2013 G St. N.Y. 310 Indiana Ave. Minn. 1351 Otis Place 15 Grafton St., D. C. Chevy Chase. Md.

D. C. 3517 13th St. Tenn. 1405 G St. S. E. 233 Tenn. Ave. N. E. D. C. III. 21 First St. D. C. 2534 13th St. 1028 16th St. Tenn. P-Q Bldg., Govt. Hotels 131 A St. N. E. Ind. D. C. D. C. D. C. D. C. 917 18th St. 456 M St. 626 Park Road The Plaza Ohio 1525 First St. 2014 F St. N. Y. Pa. D. C. 1822 16th St. N. Y. 2509 17th St. Me. 1258 Columbia Road Ga. 1436 N St. Pa. P-Q Bldg., Govt. Hotels 1350 Monroe St. Ill. 1706 Rhode Island Ave.

1409 Webster St. 1342 13th St.

314 Rutland Courts

506 East Capitol St.

413 2d St.

1516 P St

D. C. D. C. D. C. 1328 Maryland Ave. N. E. D. C. D. C. 3305 16th St. 3305 16th St. Kans. 130 Adams St. Colo. 1200 Mass. Ave. Ind. X-Y Bldg., Govt. Hotels 2015 First St. 1235 Girard St D. C. N. Y. D. C. 309 Shepherd St. Va. Federal Trade Com. 2026 G St. Md.

D. C. 1439 Rhode Island Ave. Ohio 132 C St. N. E. 3640 11th St. S. Dak. Wis. The Cordova 1817 F St. Ga. D. C. 1363 Fairmont St. Miss. 223 Florida Ave.

WALLACE, BRYAN E.	D. C.	521 Shepherd St.
*†WALLACE, MARION	Md.	
WALLACE, MARION	MIU.	6402 Ridgewood Ave.,
Warman	87	Chevy Chase, Md.
WALTERS, MARY JANE	Va.	1633 29th St.
WARD, IDA C.	Pa.	1326 Mass. Ave.
WARFIELD, EDGAR ASHBY	Va.	501 King St.,
		Alexandria, Va.
WARK, LILLIAN W.	Mo.	C-D Bldg., Govt. Hotels
*WARNETTE CORNERS A	111.	2120 G St.
*WARNEHE, CORNELIA A.		
WARNER, ANNA P.	D. C.	2001 16th St.
†Warner, Anna P. Warren, Christine Warren, Lula Kadrey	Ky.	1008 Mass. Ave.
WARREN, LULA KADREY	D. C.	915 L St.
WATKINS, MARIE U.	D. C.	155 Kentucky Ave. S. E.
*WATTS, GLADYS	Mo.	322 Maryland Ave. N. E.
WEAVER, SUE E.	N. C.	1346 Fairmont St.
WEBB, MARION ALICE	D. C.	1400 Fairmont St.
WEDD, WARION ALICE		
WEBB, VIRGINIA JOHNS	Va.	1014 Vermont Ave.
WEBSTER, ELEANORA C.	D. C.	104 5th St. N. E.
*WEEKS, SALLIE PRESTON	N. Y.	1495 Newton St.
*WEEKS, SALLIE PRESTON	D. C.	3445 Newark St.
WEINBERG, LENORA	D. C.	433 2d St. S. E.
WEISS, HYMAN L.	D. C.	General Land Office
WELLS EDWA BARROW	Tenn.	R-S Bldg., Govt. Hotels
WELLS, EDNA BARRON WELLS, F. ESTELLE		
WELLS, F. ESTELLE	Tenn.	1434 Harvard St.
WELLS, LESLIE G.	D. C.	1227 Girard St.
WELLS, MARIE	Mo.	417 Randolph St.
WELLS, MARY ELIZABETH	Ohio	1341 Irving St.
WELLS, MARY ELIZABETH WEST, RENA B.	D. C.	224 3d St. S. E.
WETZEL, ELSIE AMELIA	Ill.	4411 39th St.
WEYL, CELESTE MARIE	Ill.	1230 Mass. Ave.
*WHEATT BY COLORED FOR COMO	D. C.	1330 Florida Ave.
*WHEATLEY, CHARLES FELLOWS	D. C.	I-K Bldg., Govt. Hotels
tWHEELER, CATHERINE WHEELER, MAUD INEZ	Pa.	1-K Blug., Gove. House
WHEELER, MAUD INEZ	Mich.	2831 Georgia Ave.
WHITAKER, CLONA	Ind.	1407 Perry Place
IWHITE RUTH MADIETERA	R. I.	905 East Capitol St.
*WIDMEYER, YOLANDE	Va.	The Rochambeau
WIESER, FLORENCE W.	D. C.	1307 Columbia Road
WILDERMUTH, NORMA	Ohio	1524 A St. N. E.
*WILLIAM CHA		1715 North Capitol St.
*WILKEN, CEDAR B. WILKIE, ROBERT TUSCH	N.Y.	
WILKIE, ROBERT TUSCH	Ind.	1219 I St.
	D. C.	The Thomas
TYTILLICY MIATTE S	D. C.	1840 Vernon St.
WILLIAMS, EARLINE B. WILLIAMS, ESTHER L.	N. J.	1401 31st St.
WILLIAMS ESTUED I.	N. Y.	Lanham, Md.
*WILLIAMS, FLORENCE V. WILLIAMS, HAZEL F.	Ky.	L-M Bldg., Govt. Hotels
WILLIAMS, PLORENCE V.		G-H Bldg., Govt. Hotels
WYNTER AMS, FLAZEL F.	Ind.	1442 Mass Ave
THATAMS, JOHN HIGGINS	Ky. N. Y.	1443 Mass. Ave.
TY ALGLIAMS I TYPET TA I	N. Y.	910 6th St. N. E.
WILLIAMS, MARGERY	Mich.	1855 Calvert St.
WILLIAMS, MATHILDA		
LIGHTELE	D. C.	1332 F St. N. E.
WILLIAMS MATTE	III.	1318 Harvard St.
WILLIAMS PRODUCTION		1836 Ontario Place
WILLIAMS, PRISCILLA WILLIAMS, THOMAS H.	Va.	
Was THOMAS H.	D. C.	1215 Vermont Ave.
	D. C.	4004 Georgia Ave.
TYTLSON, JAMES I.	Me.	1415 K St.
WILSON, LELIA CHARLOTTE	D. C.	2007 G St.

*WILSON, LILLIAN RUTH	Ark.	P-Q Bldg., Govt. Hotels
WILSON, RUTH M.	Ind.	4 Quincy Place N. E.
WILTON, RALPH WILLIAM	D. C.	1335 22d St.
*WIMBER, VERN	D. C.	1213 K St.
WINDRIDGE, EMMA ISABELLA	Va.	Cherrydale, Va.
		1701 Park Road
*WINGATE, EDWARD GREENE	D. C.	
†Woeflin, Martha	Ky.	1022 11th St.
Womersley, Grace M.	D. C.	4122 8th St.
†WOOD, JOSEPH R.	D. C.	3143 24th St. N. E.
WOODBURY, MARGARET BARKER	D. C.	3122 Q St.
*Woodward, Alma L.	D. C.	1916 G St.
†WORDEN, STANLEY	Md.	1237 Kenyon St.
WORMSER, HAZEL M.	Kans.	1342 Vermont Ave.
WRIGHT, ETHEL	Va.	229 Rock Creek Church Rd.
*WRIGHT, MARY BENTON	D. C.	1205 Columbia Road
WUEST, CLARA I	Ohio	101 N. Car. Ave. S. E.
WYMORE, IVY O.	D. C.	1724 Park Road
YOSGOUR, SONIA S.	D. C.	300 E St. N. E.
Young, Emma I.	Md.	154 East Capitol St.
*Young, Louise B.	Va.	2129 18th St.
*Young, Matilda N.		2129 18th St.
YUNG-KWAI, BURNHAM	D. C.	3312 Highland Ave.
I UNU-ILWAI, DURNHAM	D. O.	oota Highland Ave.

COLLEGE FOR ENGINEERING CANDIDATES FOR DEGREES

ALLARDT, ERNST WILLIAM (M. E., 0)	Ohio	2325 L St.
AMAN, WALTER FRANK (E. E., 85)	Md.	Mt. Rainier, Md.
Anderson, John Augusta (C. E., 26)	D. C.	1520 E. Capitol St.
AULTMAN, DWIGHT EDWARD J	D. C.	705 Northumberland Apt.
(Ch. E., 28)	37 37	1000 II C
		1908 H St.
BABCOCK, EARL (C. E., 0)		1331 Vermont Ave.
BAGDER, CECIL HAMMOND	Pa.	Hyattsville, Md.
(Chem., 122)	****	1010 0 . 1 70
BAILEY, EMMETT CHESTER	Wig.	1849 Ontario Place
(M. E., 62) B. S. 1916,		
Beloit College	-	
BAILEY, WILLIAM HIRAM	Texas	2106 First Street
(Chem., 19)		and the same of th
BAUSKETT, HELEN V.	D. C.	1201 Girard St.
(Chem., 28)		
	D. C.	1406 21st St.
(M. E., 16)		
BERLINER, JULIUS FREDERICK		
THOMAS (Ch. E., 22)	D. C.	1471 Irving St.
BERRYMAN, NALLS	D. C.	40 Chestnut St.,
(Chem., 6)		Takoma Park, D. C.
BERTELSON, CHARLES WESLEY	N. D.	House Office Bldg.
(E. E., 0)		
BIEBER, OSCAR PETER	D. C.	1239 4½ St. S. W.
(M. E., 0)		
BIGGS, ZENO ALVIN	Ind.	1730 Euclid St.
(E. E., 108)		

THE PARTY NAMED IN

BIRCH, ALVIN LLOYD (C. E., 17)	D. C.	1635 R St.
*Biser, Leon Windson (Ch. E., 0)	Md.	1916 16th Street
BITTNER, GUSTAVE EMIL (M. E., 0)	D. C.	2014 2d St.
BLACKMAN, CYRENE E. (Chem., 45)	Ind.	209 S St.
BLAKELY, CHAS. FRANCIS	Nebr.	Y. M. C. A.
*BLAND, WILLIAM BENJAMIN (C. E., 0)	S. C.	455 First St. S. E.
BLEWITT, JOHN JUSTIN (C. E., 0)	Pa.	1352 Irving St.
BLINSTON, CHESTER A. (M. E., 0)	D. C.	1527 Newton St.
*Blosk, Edwin Arthur (M. E., 28)	D. C.	744 Quebec St.
*Bondurant, John Charles (E. E., 0)	Fla.	Chatham Courts
BONEBRAKE, GEORGE DANIEL	Ohio	5210 Illinois Ave.
Boyd, Alan Rockwell	D. C.	1441 Chapin St.
BOYD, JOSEPH REGINALD	D. C	1360 Parkwood Place
BOYDEN, ROGER TALBOT	Mass.	206 Southbrook Courts
(C. E., 108) *Bradburn, John Raymond	D. C.	Navy Yard
(M. E., 0) BRADBURY, CRAIG E. (E. E., 0)	D. C.	1843 Lamont St.
Bradshaw, Max Abraham (Ch. E., 4)	Va.	1701 Euclid St.
BRADY, JOHN BERNARD	Md.	Chevy Chase, Md.
	D. C.	2032 16th St.
BRANDES, CLARENCE ALFRED (C. E., 20) BRAUNER, RALPH HERMAN (E. E., 53) BREWER, NATHANIEL (M. E., 0) BRUCE, CLARENCE SMOOT	D. C.	Brookland, D. C.
(E. E., 53) Brewer, Nathaniel	D. C.	421 6th St. S. E.
	D. C.	2601 11th St.
*BURDETTE ROBERT C	Md.	1611 First St.
(Chem., 26) BURGGRAF, FRED (Ch. E., 0)	Ohio	3917 Livingston St.
PAUL WILLIAM	D. C.	1322 5th St.
(M. E., 15) *Burner, Charles Alexander (C. E., 34)	D. C.	5322 41st St.
CC. E., 34) BURNESTON, JOSEPH LEE (C. E., 39)	D. C.	1460 Newton St.
(C. E., 39) Bussard, Marcel Julien (C. E., 0)	D. C.	2129 G St.
(C. E., 0)		

Campbell, Richard Dodge (E. E., 79)	D. C.	42 Rhode Island Ave. N. E.
CAREY, JOHN JOSEPH (Arch., 34)	D. C.	2202 First St.
CARTER, ROBERT COX (C. E., 0)	Ind.	3512 10th St.
CHRISTIAN, WELLNER		
LIVINGSTONE (M. E., 12)	D. C.	15 T St. N. E.
CLARKE, BEVERLY LEONIDAS (Chem., 48)	D. C.	2127 G St.
*CLARKSON, HARRY IRVING	D. C.	707 G St. S. E.
*CLARKSON, HARRY IRVING (M. E., 13) *CLAYTON, HAROLD OLIVER (Ch. E., 39)	D, C.	8 Girard St. N. E.
CLINTON, DANIEL JOSEPH (C. E., 0)	Pa.	1629 Newton St.
COBB, ELVIN T. (C. E., 0)	Mo.	115 C St.
*Cockrill, Lawrence P.	Ky.	1117 New Hampshire Ave.
(C. E., 0) Cole, Francis Gruelle	D. C.	1900 8th St.
(M. E., 46) *Conboye, William Thomas (Arch. 74)	Calif.	64 U St.
*Cook, Harold P. (E. E., 0)	Iowa	234 N St.
COREY, GEORGE HOLTON	Pa.	1511 Lamont St.
(Chem., 54) COVERT, ROY NORTON (M. E., 39)	Ill.	2821 27th St.
Cox, Eugene Sheffield (M. E., 7)	Wash.	10th St. and Mass. Ave.
Cross, Fred Sylvester (Chem., 56)	W. Va.	1100 Vermont Ave.
CRUICKSHANKS, BENJAMIN		
CARPENTER (M. E., 132) DAIDY, GEORGE AUGUSTINE	D. C. Mass.	1336 Fairmont St. 1682 Irving St.
(Arch., 56) DALE, LLOYD EMERSON	Neb.	2032 F St.
(Ch. E., 25)	2100.	2002 1 00.
†DALY, ADOLPH A. (C. E., 19)	D. C.	914 Maryland Ave. N. E.
DARCEY, STANLEY RODERICK	D. C.	1248 31st St.
*Dasher, Charles Lamer, Jr.	D. C.	5110 13th St.
(M. E., 0) DAVIDSON, WILBUR DELOZIER (C. E., 39)	D. C.	1807 Good Hope Road S. E.
*DAVIS, FRED (C. E., 0) DAVIS, THOMAS ALLAN	D. C.	3030 Q St.
DAVIS, THOMAS ALLAN (Ch. E., 66)	D. C.	635 Eye St. S. W.
*DAWSON, ALAN BENNETT	D. C.	1412 E St. S. E.
(C. E., 0) Degener, Edward L. (C. E., 22)	III.	733 22d St.

DELANY, JAMES LEROY (M. E., 30)	D. C.	600 Park Road
DELAWDER, JOHN LURMAN (Chem., 10)	D. C.	1359 Mass. Ave.
†Dempsey, James Bryan (M. E., 15)	Kans.	1223 K St.
DERRICK, JOHN MILTON (M. E., 6)	Md.	1014 10th St.
DISNEY, LINDSAY PETTIT (M. E., 35)	D. C.	1212 B St. S. E.
Dumm, Edwin J. (M. E., 0)	Ohio	153 A St. N. E.
*DURAND, CHARLES SCHAD (Chem., 0)	Tenn.	Y. M. C. A.
DUTTON, HAROLD HARRISON	D. C.	1721 Kilbourne Place
(C. E., 36) *Dyer, Worden Pope (M. E., 0)	D. C.	329 13th St. S. E.
EDWARDS, LIEUT. RAY OMER (C. E., 59)	111.	Walter Reed Hospital
Edwards, Thomas Rives (Arch., 73)	D. C.	4209 Ill. Ave.
(M E 19)	D. C.	3503 Wisconsin Ave.
ELIASON, HOWARD RUSSELL (M. E., 0)	D. C.	1314 Columbia Road
ELLERBROCK, JOHN HARRY (M. E., 2)	D. C.	1317 Rhode Island Ave.
ENGEL, FRANCIS HERMAN (E. E., 0)	D. C.	1108 Columbia Road
ERGOOD, ALLEN MONROE	D. C.	6223 9th St.
(Ch. E., 16) Fedde, Walter Carl	Colo.	201 Eye St.
(Chem., 93) FEGAN, LUKE JOSEPH	D. C.	3210 13th St.
(M. E., 0) FIHE, ALBERT JOSEPH	Ky.	1761 Park Road
FILGATE, JOHN THOMAS	D. C.	2451 18th St.
FINNIE, ALEXANDER	D. C.	4417 Ord St. N. E.
(C. E., 4) FISHER, HENRY PHILIP (C. E., 0)	D. C.	1847 Ontario Place
LANAGAN, SAMUEL CODRINGTON	Va.	1708 P St.
FLEMING, EUCLID STORY JR.	D. C.	127 6th St. S. E.
FOSTER, ROYAL E.	D. C.	1914 I St.
FRED, ROGERS M.	D. C.	1733 Columbia Road
FREE, WALTER HENRY	Iowa	Y. M. C. A.
*FRIDINGER, NORMAN SCOTT (Ch. E., 0)	D. C.	301 13th St. S. E.
, 25, 0)		

-Continual

FRIEDMAN, SOLOMON (C. E., 33)	D. C.	447 7th St. S. W.
Fuqua, Delmour John (Ch. E., 0)	D. C.	1415 Monroe St.
*GALLAHAN, WILBUR ANDREWS (C. E., 0)	D. C.	421 L St. S. E.
*GALLOWAY, ALEXANDER GORDON (M. E., 0)	ND. C.	7106 Piney Branch Road
*GARDNER, HANNAH LOUISE	D. C.	3367 18th St.
(Chem., 51) GARMAN, GEORGE GUY	Pa.	2031 2d St. N. E.
(E. E., 5) *GARNER, NELSON	Ariz.	1537 I St.
(C. É., 0) GARTSIDE, FRANK TYLER (C. E., 59)	Md.	1012 12th St.
GATCHELL, WILLARD	D. C.	2222 1011 01
WADDINGTON (Chem., 10) GEBHART, ARTHUR I.	D. C. Pa.	3209 19th St. 2127 G St.
(Chem., 66)		
*Gershanick, Carl (E. E., 4)	D. C.	2211 N St.
*Giegerich, Albert A. (C. E., 0)	Iowa	1526 O St.
*GILL, GEORGE JAMES (C. E., 0)	D. C.	730 Shepherd St.
GILTRUD, ESTHER AGNES	N. D.	1357 Montague St.
(Arch., 24) GIROUARD, PHILIAS HENRY (E. E., 0)	R. I.	100 B St. N. E.
GLYCOFRIDES, EUSTACE	D. C.	926 9th St.
(Chem., 26) Gonzalez, William Alexander (Chem., 34)	N. Y.	200 E St.
GOODALL, ALFRED BURROWS	D. C.	1824 Ingleside Terrace
(E. E., 32) Goss, Marshall J. (Chem., 0)	Ohio	416 Kenyon St.
GRAHAM, DANIEL PARSONS	Calif.	12 Rhode Island Ave. N. E.
(Ch. E., 16) Graham, George Emlen	D. C.	2246 Cathedral Ave.
(M. E., 10) GREELEY, ARTHUR EDWARD	D. C.	2632 Garfield St.
(E. É., 8) GREEN, EDGAR MELBOURNE	D. C.	82 V St.
(M. E., 5) GREENWOOD, AUDLEY HERBERT	Md.	1225 Euclid St.
(M. E., 0) GROSSMAN, HERBERT ROBERT (C. E., 38)	Ky.	P. O. Box 1470
GUMPRECT, ARMAND J., JR.	D. C.	2818 P St.
(M. E., 6) Hammond, Leigh Mead (C. E., 0)	Md.	Boyd and Carroll Ave., Takoma Park, Md.
HANKS, REUEL MUCKLOST (E. E., 0)	W. Va.	1541 8th St.

HARDING, RAYMOND BARTON (E. E., 118)	Va.	625 G St. S. W.
†HARPER, ESMONDE (M. E., 8)	D. C.	803 Allison St.
HARRINGTON, GEORGE ELLIOTT (Chem., 8)	D. C.	4641 Conduit Road
HARRIS, P. RAY (E. E., 0)	111.	153 A St. N. E.
HARRIS, WILLIAM	D. C.	1505 Lamont St.
(Arch., 0) HARRISON, ARTHUR P.	D. C.	816 18th St.
*Harsch, Raymond	Ohio	1 Girard St. N. E.
(C. E., 93) HARTMAN, ARTHUR MEYER (Ch. E., 22)	D. C.	1414 Girard St.
HATTON, WESLEY LEONARD (E. E., 0)	Ala.	710 Rock Creek Church Rd.
HAWKINS, WALTER (Chem., 0)	Conn.	702 H St.
THAYNES, JOHN LENNIES	D. C.	1347 Q St.
(C. É., 0) *HAYNES, WILLIAM E. (M. E., 0)	N. Y.	214 7th St. N. E.
HECKERT, GEORGE THEODORE (E. E., 11)	W. Va.	2030 G St.
Heid, Edwin Dewey (M. E., 4)	D. C.	1740 Lanier Place
HEIST, LEROY ERNEST (M. E., 17)	D. C.	2415 N. Capitol St.
HELLMUTH, EVERETT ALBERT (Ch. E., 76)	Va.	108 N. Alfred St., Alexandria, Va.
HENKIN, BENJAMIN (Ch. E., 0)	D. C.	700 4th St. S. E.
*Hepburn, Norman C.	D. C.	321 5th St. S. E.
HILL, HUGH PALMER, Jr. (C. E., 23)	D. C.	313 A St. S. E.
HILLIG, FRED H. (Chem., 44)	III.	Bureau of Steam Engineering, Navy Dept.
HOMAN, LESTER STANLEY (E. E., 0) HOWISON, PARAGE	Ohio	173 U St. N. E.
Howison, Raynor (E. E., 4)	D. C.	811 Jefferson St.
HUFNAGEL, HARRY MILLER (E. E., 41)	D. C.	1311 6th St.
HUME, JAMES PICKRELL (Ch. E., 0) HUMBBERS OF COMMENTS	D. C.	2113 S St.
HUMPHREY, OMAR CONGER (C. E., 0) HUNT MARY FARANCE	D. C.	1271 First St. S. E.
HUNT, MARY ELEANOR (Arch., 0)	D. C.	106 9th St. S. E.
(E. E. 17)	P. L.	1414 11th St.
(C. E., 0)	D. C.	5324 Illinois Ave.

*Johnson, Harold Curry (Ch. E., 20)	Fla.	1449 Rhode Island Ave.
JOHNSTON, RUBY PAULINE (M. E., 0)	D. C.	314 2d St. N. E.
*Jones, Leslie O. (E. E., 27)	Ohio	Ballston, Va.
*Kain, Donald Edward (C. E., 0)	D. C.	129 E St.
KAMPE, ALBERT HENRY (C. E., 31)	Mich.	1002 M St.
KAR, PERCY A. (E. E., 0)	Utah	2622 11th St.
KARGER, ALFRED GUS (Chem., 35)	Ohio	2616 Cathedral Ave.
KEATING, MICHAEL JOSEPH	N. J.	1011 Otis Place
(M. E., 14) *Kennedy, Erroll Anglin (Chem., 0)	Md.	Hyattsville, Md.
*KLINE, SAMUEL ROBERT (Ch. E., 6)	Ore.	1816 18th St.
*KLOPFER, LEWIS WHITE (E. E., 36)	D. C.	6404 Georgia Ave.
KNAPP, ERNEST MALCOLM (Ch. E., 0)	D. C.	714 Rock Creek Church Rd.
*Korschen, George John (M. E., 0)	N. Y.	937 23d St.
KRAFFT, CARL F. (Ch. E., 118)	Wis.	1211 13th St.
Krehbiel, Elmer Harold (Chem., 28)	D. C.	1016 9th St. N. E.
LADD, JOHN G. (M. E., 33)	N. Mex.	6109 Brookville Road, Chevy Chase, Md.
LANIGAN. ARTHUR LOYOLA (E. E., 43)	D. C.	122 Bryant St.
LAPISH, JOE HARRY (Arch., 46)	D. C.	57 Quincy Place N. E.
LE DUC, PERCY WALBOURNE (Chem., 87)	D. C.	817 Varnum St.
LELAND, LEONARD JESSE (C. E., 8)	D. C.	516 A St. N. E.
LEROY, JAMES ALFRED (Ch. E., 0)	D. C.	1230 Girard St. N. E.
*Levitch, Alexander (Chem., 10)	N. Y.	2212 M St.
†Lewis, Robert S. (C. E., 77)	D. C.	3316 Mt. Pleasant St.
†LIMPER, ERNEST A. (C. E., 0)	Ind.	Liberty Hut, Y. M. C. A.
LINDEN, BERNARD A. (Chem., 35)	N. Y.	2148 F St.
LINDSEY, IRVING (Chem., 24)	Va.	1009 Gibbon St.,
LIPPITT, EDWARD GARDNER (Arch. 30)	D. C.	Alexandria, Va. 3025 Newark St.
LITCHFIELD, CHARLES WILLIAM (M. E., 0)	D, C.	308 L St. S. E.

LLOMPART, JOSE A. (Ch. E., 45)	D. C.	4512 Georgia Ave.
LLOYD, DANIEL BOONE, JR. (C. E., 64)	Md.	Glendale, Md.
*Loeb, Abraham (Ch. E., 0)	D. C.	22 3d St. S. E.
LOEFFLER, HYMAN (C. E., 0)	Va.	1120 King. St., Alexandria, Va.
LOEHLER, PAUL F. (E. E., 4)	D. C.	1412 Montague St.
LOOMIS, HELEN MAY	N. Y.	117 12th St. S. E.
(Arch., 0) Lootz, Alf Christian, Jr. (C. E., 22)	D. C.	1460 Newton St.
*LUNDBERG, ROBERT FERDINANI (Chem., 96)	D. C.	1101 Euclid St.
McALISTER, RUSSELL NAYLOR (C. E., 3)	D. C.	Kensington Apts.
*McCollum, Joe N. (C. E., 0)	D. C.	1327 10th St.
McCoy, John Scott	D. C.	312 McLean Ave. S. W.
(Chem., 50) McEntee, Albert Arthur	111.	2124 P St.
McManamy, Carl Dewey	D. C.	1333 15th St.
(M. E., 30) MACNAB, JOHN CARTER	Mass.	1427 Buchanan St.
(M. E., 39) MACKEY, STUART JONES	D. C.	1814 Park Road
MAHONEY, JOHN	Neb.	931 M St.
(Chem., 68) MALAMPHY, MARK CYRIL	Md.	624 H St.
(E. E., 0) Manbeck, Dwight L. (M. E., 0) Markley, Klare S.	Iowa	Y. M. C. A.
MARKLEY, KLARE S.	Md.	Rockville, Md.
Marks, Frank Henry	D. C.	1002 Fairmont St.
*MARKS, JOSEPH M.	D. C.	1425 E. Capitol St.
MARTIN, FRANK WHITCHER	D. C.	2106 First St.
*MATTFELDT, GUSTAV EARL	D. C.	2108 Flagler Place
*MATTINGLY, HAROLD WEBSTER	D. C.	1234 Good Hope Road S. E.
MEAKIN, ALLAN G., JR.	Ohio	617 22d St.
*MECUTCHEN, LAURA BARTLETT	Md.	Brentwood, Md.
(Arch., 48) MEEKS, FEARSON SAMUEL (C. E., 4)	D. C.	1419 Clifton St.
MON LEWIS	Md.	Hyattsville, Md.
(Chem., 40)		

MEIMAN, WILLIAM GEORGE (C. E., 0)	D. C.	416 Warner St.
*Melton, Edward Roane, Jr. (E. E., 0)	D. C.	1008 Md. Ave. N. E.
MICHAEL, SPENCER B. (E. E., 78)	D. C.	18 New York Ave. N. E.
*MILLER, FOREST JOHN (M. E., 6)	D. C.	1354 Shepherd St.
*Miller, George Daniel (E. E., 0)	Pa.	1311 Fairmont St.
MILLER, ODVER HARRISON (C. E., 119)	Okla.	1739 P St.
MILLER, RALPH F. (Ch. E., 57)	Pa.	338 Md. Ave. N. E.
Moeller, Otto	Va.	203 County Road, Cherrydale, Va.
(Chem., 0) Montgomery, Wilbur Burson	D. C.	126 Mass. Ave.
(C. E., 30) Moore, Goggin Emerson (Arch., 0)	Va.	1214 I St.
Moore, John Henderson (Chem. E., 40)	D. C.	1011 H St.
Moore, L. L. Ardrey (Arch., 26)	N. C.	455 First St. S. E.
Morawski, Arthur L. (Chem., 61)	Mass.	442 Mass. Ave.
Moulton, George Franklin (Chem. E., 62)	Ill.	1483 Newton St.
MUSE, FRANK A.	Va.	1833 M St.
(Årch., 4) Mushake, William Ira (M. E., 0)	D. C.	1919 Nichols Ave. S. E.
*MUZIKAR, GEORGE A. (Ch. E., 0)	Minn.	2131 F St.
Myers, Myron Lewis (Chem., 0)	Md.	1420 Ames Place N. E.
NAGLE, RALPH S. (Chem., 20)	D. C.	1338 Shepherd St.
*Neill, William Lynville, Jr (Chem. E., 6)	. Texas	1930 Biltmore St.
*Nelson, Almon Sylvester (C. E., 4)	D. C.	1019 10th St.
Newcomer, Harry E. (Ch. E., 41)	D. C.	239 Q St.
*Nikirk, Paul Alvin (M. E., 0)	D. C.	411 12th St. S. E.
NILSSON, KNUT IVAN (M. E., 4)	D. C.	102 Varnum St.
†O'DEA, MARIE ELIZABETH (Chem., 52)	Va.	825 13th St. N. E.
*OLCOTT, FLOYD BRONSON (M. E., 0)	Md.	2566 University Place
()PENSHAW I) I WAY	Utah.	2028 G St.
(C. E., 0) ORLANDO, VINCENT JAMES (E. E., 52)	D. C.	234 1st St. S. E.

Owens, Byron (Chem., 23)	Pa.	401 McLachlen Bldg.
OWENS, JOHN ADAMS (M. E., 26)	Pa.	1415 New Jersey Ave.
*Palmer, James C. (C. E., 0)	D. C.	2002 G St.
PARDOE, EDWARD SCHLEY (C. E., 30)	D. C.	1319 Park Road
PARKER, THORNTON JENKINS, J	R. D. C.	723 19th St.
(E. E. 0)	Md.	North Chevy Chase, Md.
PATRICK, PERCY LEROY	D. C.	905 Webster St.
(E. É., 23) PETERSON, EMMET JAMES (C. E., 56)	Calif.	1246 House Office Bldg.
(C. E., 56) *Phillips, I. Jesse, Jr. (E. E., 0)	Ga.	410 6th St.
PIM, JAMES HARVEY (E. E., 0)	Colo.	3301 13th St.
(Chem. 0)	D. C.	1310 13th St.
(C, E., 4)	Miss.	201 Eye St.
(C. E., 15)	D. C.	628 6th St. N. E.
POWELL, ARCHIE EISEN (M. E., 121)	Minn.	Bureau of Standards
E. E. 1914, University of		
PRICE, BENJAMIN FRANKLIN (C. E., 0)	D. C.	2715 14th St.
(E E 12)	Idaho	Box 20, House Office Bldg.
(Ch. E. 47)	D. C.	21 R St.
(M. E., 0)	D. C.	615 Upshur St.
(M E 27)	N. Y.	1913 Pennsylvania Ave.
(C E O)	Kans.	1741 F St.
Ren, Emma (Chem., 130)	D. C.	1210 Delafield Place
A. B., 1917, George Wash		
(M E O)	D. C.	910 O St.
(C. F. 5)	D. C.	3311 Q St.
(M E O)	D. C.	203 Rhode Island Ave. N. E.
(E E JOHN ALFRED, JR.	D. C.	218 Maple St., Takoma Park, D. C.
RILEY, ALBERT AUSTIN (Chem., 87)	Ohio	3116 19th St.

RINGLE, DAVID, JR. (E. E., 27)	Ore.	2032 Eye St.
RISSLER, RAYMOND LESTER (Chem., 0)	D. C.	1366 Spring Road
*Roche, James Joseph	D. C.	722 F St. S. W.
(M. E., 0) †Rogers, Joseph Harris	Md.	Hyattsville, Md.
(E. E., 0) ROLPH, J. NORTON	III.	Kenesaw Apt., 16th and Irving Sts.
(C. E., 0) Romhilt, Helen June	Ind.	2011 Franklin St. N. E
(Chem., 72) ROMMEL, GEORGE F. (M. E., 24)	D. C.	21 Myrtle St. N. E.
Rose, Leonard Julian (M. E., 76)	D. C.	730 Shepherd St.
ROSENBURG, SAMUEL (M. E., 29)	D. C.	721 4½ St. S. W.
Ross, Frances Pritchard (Ch. E., 0)	D. C.	2911 Mills Ave. N. E.
ROTZLER, WILLIAM M. (M. E., 0)	Utah	243 Florida Ave.
†Rowe, Charles Roy (E. E., 0)	D. C.	646 Lexington Place N. E.
*Rudy, John Taylor, Jr. (M. E., 0)	Minn.	1519 Caroline St.
RYAN, ALFRED EDWIN (Ch. E., 16)	D. C.	1368 Spring Road
St. Clair, Guilford Payson (C. E., 59)	Me.	603½ 4th St.
A. B. 1918, Dartmouth College		
ST-OMER-ROY, JAMES AUGUSTUS (M. E., O)	N. J.	3411 R St.
*SAEGART, ERNEST REDFIELD (Chem., 30)	Conn.	441 12th St. N. E.
SALTZMAN, GEORGE CLIFFORD	D. C.	1303 Newton St., Brookland
(C. E., 4) *SALZMAN, WILLIAM AUGUST (M. E., 0)	N. Y.	239 8th St. S. E.
(Ch. E., 42)	Hawaii	115 Maryland Ave. N. E.
*Sanders, James Henderson (M. E., 4)	D. C.	57 Randolph Place
*Sanford, Emmons Montgomery (E. E., 0) *Sargent, Ray Fred	Va. Vt.	1521 Rosedale St. N. E. 1838 Calvert St.
(E. E., 67) SCHEMET, HERBERT K. (Ch. E., 0)	Ind.	1134 Florida Ave. N. E.
LL.B., M.P.L., Georgetown University		
SCHMITT, EDWIN ALEXIS (C. E., 99)	D. C.	305 Southern Building
SCHMITT, HENRY MARTIN (M. E., 29)	N. Y.	1429 U St.

Scott, Hunter Dunlap (Arch., 27)	D. C.	1641 R St.
Scott, Walter Clifford, Jr. (M. E., 69)	D. C.	649 B St. N. E.
SELVEY, WILLIAM H. (Ch. E., 0)	W. Va.	2106 G St.
SHOEMAKER, FRED EUGENE (E. E., 94)	D. C.	5310 Belt Road
SHREVE, RICHARD SOUTHERNE.		
JB (M E 20)	Va.	Navy Dept., Bu. C. & R.
*SHULTERS, EARL STANLEY (E. E., 27)	D. C.	641 A St. S. E.
*SILL, NORMAN EARLE (M. E., 0)	D. C.	132 Adam St.
SILLERS, FREDERICK, JR. (Ch. E., 0)	D. C.	1349 Otis Place
SLOAN, MARGUERITE PEYTON	Md.	310 Indiana Ave.
SLOAN, NATHANIEL CRAWFORD	D. C.	2314 17th St.
(M. E., 0)		
SMITH, CLARENCE ADRIAN, JR.	Md.	36 Todd Place N. F.
*SMITH, EDGAR DONALD	D. C.	1246 Irving St.
(C. E., 41) SMITH, MELBOURNE J. 40. (M. E., 0)	Va.	2030 G St.
OMITH, THOMAS WALSH	D. C.	917 6th St. N. E.
(M. E. 120)		
B. S. in E. E. 1909, Iowa State University	0	
SMITH, WILEY C. (Ch. 53)	Miss.	151 11th St. S. E.
A.B., 1916, Mississippi		
College	D 0	020 37
SNOW, HAROLD ARTHUR (E. E., 68)	D. C.	656 Newton St.
SUARS, FRANCES LEOTA	Pa.	1927 Park Road
SONNTAG HARCOURE	Va.	McLean, Va.
(IVI . IV. ())		
(E. F. 120)	Calif.	Patent Office
SPEAR, ALBERT A. (Chem., 73)	D. C.	4 Sixth St. N. E.
SPECK, VERA P.	D. C.	1343 Clifton St.
Sperry, Albert	Fla.	617 Maryland Ave. N. E.
SPIELMAN, WILLIAM PAUL	Va.	609 Prince St.,
(Ch. E., 0)	20 0	Alexandria, Va.
SPRINGMAN, DAVID L. (M. E., 0)	D. C.	3816 7th St.
FRANK ARTHUR	Iowa	1404 21st St.
(Chem., 97) STARR, ARTHUR PRICE (Arch 51)	N. Y.	120 Randolph Place
(Arch. 51)	24. 2.	280 Attationpin a moo

STEWART, THOMAS FRANKLIN	D. C.	703 9th St. N. E.
(C. E., 60)	D.C.	67 Randolph Place
*STICKEL, JOHN FREDERICK (Ch. E., 20)	D. C.	Or Randolph Flace
STOCKARD, JOHN MAHON (M. E., 0)	D. C.	1429 U St.
STOUT, MORRIS VANZANDT (C. E., 0)	D. C.	1444 W St.
STRANG, HARRY LEDDEN, JR.	D. C.	2020 1st St.
(E. E., 101) *STRAUCH, DEWEY ANTHONY	Texas	1432 V St.
(M. E., 0) *STRAWN, FLOYD L.	D. C.	1408 Girard St.
(M. E., 23) †Strother, David Hunter	W. Va.	3153 Mt. Pleasant St.
(M. E., 0) *SULLIVAN, GEORGE WILLIAM	R. I.	600 Park Road
(M. E., 7) *Sweeney, James Joseph	D. C.	47 K St. N. E.
TAYLOR, JOHN CORBIN, JR.	D. C.	531 Quincy St.
(C. E., 0) TEMIN, MORRIS	D. C.	515 4½ St. S. W.
THOMASSON, WILLIAM THOMAS	D. C.	640 E St. N. E.
(C. E., 0) THORNE, MAURICE ANSON (M. E., 0)	Md.	Beechwood, Tunlaw Road
TIBBITTS, GORDON CHASE	D. C.	321 Essex Ave., Chevy Chase, D. C.
(Ch. E., 70) *Tilton, Daniel Henry	D. C.	1823 Kalorama Road
THEON, DANIEL LEDNAL	D. O.	TORO TERROTERIO
(Chem., 0) Todd, Lester J.	Ohio	2133 F St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry		
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66)	Ohio	2133 F St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0)	Ohio D. C.	2133 F St. 2121 15th St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0 Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster	Ohio D. C. D. C.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S.	Ohio D. C. D. C. Pa.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S.	Ohio D. C. D. C. Pa. D. C.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S. (M. E., 27) *Tyler, Carl Walter (C. E., 0) Ullrich, Warren	Ohio D. C. D. C. Pa. D. C. D. C.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St. 1804 2d St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S. (M. E., 27) *Tyler, Carl Walter (C. E., 0) Ullrich, Warren (Arch., 0) Varney, Forrest Franklin	Ohio D. C. D. C. Pa. D. C. D. C. D. C.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St. 1804 2d St. 1428 A St. N. E.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S. (M. E., 27) *Tyler, Carl Walter (C. E., 0) Ullrich, Warren (Arch., 0) Varney, Forrest Franklin (C. E., 79) *Vitale, Anthony Francis	Ohio D. C. D. C. Pa. D. C. D. C. D. C. Mass.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St. 1804 2d St. 1428 A St. N. E. 1010 11th St.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S. (M. E., 27) *Tyler, Carl Walter (C. E., 0) Ullrich, Warren (Arch., 0) Varney, Forrest Franklin (C. E., 79) *Vitale, Anthony Francis (E. E., 0) *Vogel, Clara Louise	Ohio D. C. D. C. Pa. D. C. D. C. D. C. Wass. Wis.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St. 1804 2d St. 1428 A St. N. E. 1010 11th St. Cherrydale, Va.
(Chem., 0) Todd, Lester J. (Ch. E., 0) Tonkin, William Henry (Chem., 66) Trumble, Milton Mason (M. E., 0) Tucker, Oscar Samuel (E. E., 42) Turoff, Louis Webster (C. E., 92) Turoff, Ralph S. (M. E., 27) *Tyler, Carl Walter (C. E., 0) Ullrich, Warren (Arch., 0) Varney, Forrest Franklin (C. E., 79) *Vitale, Anthony Francis (E. E., 0)	Ohio D. C. D. C. Pa. D. C. D. C. Mass. Wis. D. C.	2133 F St. 2121 15th St. 407 S. C. Ave. S. E. Y. M. C. A. 1804 2d St. 1804 2d St. 1428 A St. N. E. 1010 11th St. Cherrydale, Va. 1769 Willard St.

THE STATE OF

Connection	01 2110	25
WALLACE, RICARDO F.	Md.	302 District Bldg.
(C. E., 4) Wange, Hans (M. E., 0)	D. C.	521 4th St.
WARD, HERMAN SMITH (C. E., 118)	D. C.	1317 11th St.
WARD, WILLIAM ROBINSON, JR. (M. E., 26)	D. C.	1346 Monroe St.
WARREN, ROBERT HARVEY (M. E., 0)	D. C.	3549 11th St.
WEARTH, LAURA M.	Iowa	1011 New Hampshire Ave.
WEBB, WILLIAM T. (C. E., 34)	D, C.	2700 36th St.
(Arch., 22)	Ind.	1722 Euclid St.
WEINSTEIN, MEYER (Chem 98)	D. C.	3338 M St.
WENDT, ROBERT H. (E. E., 21)	Iowa	Home Apts., 7th and K Sts.
(M. E., 119)	Ore.	1832 Biltmore St.
(C. E., 0)	D. C.	1125 Allison St.
WHYTE, RUSSELL IRVING	D. C.	2503 14th St.
(C. E., 98)	N. J.	1523 22d St.
(E, E, 0)	Mo.	1907 H St.
WILSON, A. HERRMANN (E. E., 31)	D. C.	911 Maryland Ave. N. E.
WINDRIDGE, FREDERICK NUSON (M. E. 17)	Va.	Cherrydale, Va.
(M. E. O)	D. C.	8 5 6th St.
MAXWELL (Arch 0)	D. C.	1234 Harvard St.
(C. E. 26)	D. C.	62 S St.
WORRALL, ROBERT HENRY	D. C.	722 N. Car. Ave. S. E.
WRIGHT, LEIGH WASHBURN	Mass.	1330 R St.
(C. E. 15)	D. C.	1105 17th St.
(Arch 0)	D. C.	3422 13th St.
†ZIMMERMAN, ARTHUR G. (C. E., 0)	Ind.	211 Fourth St. S. E.
SDECIA	L STUDE	
		Chevy Chase, Md.
ANDERSON, HARRIET TANDERSON, WILLIAM JONES, Jr.	D. C. D. C.	1343 Chiton St., Apt. 46 1320 Harvard St.

*D. wn LOSERY I'I DICH	Mich.	1029 22d St.
*BAUR, JOSEPH ULRICH	D. C.	923 M St.
BELIN, LOUIS IRVING	Pa.	4109 8th St.
Bennett, Harry Bobbitt, William Gilmore	Ky.	25 Quincy Place.
BONTZ, LESLIE NORWOOD	D. C.	1005 9th St.
** POONE PODERT E.	D. C.	1373 Irving St.
*†Boone, Robert E. *Boyle, Margaret Virginia	Mass.	1259 New Hampshire Ave.
Bradley, Horace Yale	Ga.	Y. M. C. A.
Briggs, Guy Hamil	Md.	Gaithersburg, Md.
Brigham, Cecil E.	Mass.	1805 G St.
BRIGHAM CVPH ARTHUR	Mass.	1805 G St.
BRIGHAM, CYRIL ARTHUR BROWNE, THOMAS S.	D. C.	181 Uhland Terrace N. E.
BUTLER, CLARENCE WELLS	Mo.	154 Adams St.
*CAPISON WENDELL L.	N. Y.	805 B St. S. E.
*Carroll, Mrs. Anna A. Chagnon, Leon E. Ashley	Pa.	1216 Eye St.
CHAGNON LEON E. ASHLEY	Mass.	755 Quebec Place
CONNER, JESSE PAUL	Ind.	112 E. Capitol St.
CONYERS, CHRISTOPHER T.	Ga.	1100 Vermont Ave.
*Cook, Alhambra	Ind.	307, The Plaza
†CORNELL, EDWARD MAYBURRY	Ill.	2727 30th St. N. E.
*Corrigan, Charles Thomas	Md.	3728 Oliver St.
CORSON, HOMER JEAN	D. C.	1316 12th St.
COUPER, WILLIAM	D. C.	3605 Brothers Place.
CRESWELL, GEORGE WILLIAM	Md.	1100 Vermont Ave.
*Culbertson, Ruth	N. C.	T-U Bldg., Govt. Hotels
CTUMBERTON HARRY B.	D. C.	2204 Evarts St. N. E.
†Cutler, William Vickery †Darcy, George Dewey	Ind.	2806 13th St. N. E.
DARCY, GEORGE DEWEY	Md.	2023 Park Road
DENT, JAMES A.	D. C.	3009 P St.
DEUEL, HARRY JAMES	Minn.	2035 Park Road
*DIXON, HENRY MARSHALL, JR.	D. C.	2013 Eye St.
DOWNHAM, GEORGE FRANCIS	Va.	304 So. St. Asaph St.,
		Alexandria, Va.
DUFFY, JOHN PAUL	D. C.	2511 17th St.
EITZEL, WALTER BYRON	Pa.	1736 G St.
†ELLIOTT, FLORIAN A.	Va.	1003 Woodward Bldg.
ELLIS, JOHN FRANK ERBE, ERNST A. (Lieut. U. S. A.	D. C.	1333 Vermont Ave.
ERBE, ERNST A. (Lieut. U. S. A.	.)	3218 13th St.
*FITTON, ROBERT DOUGLAS	D. C.	1315 Half St. S. W.
FLAHERTY, LEO MICHAEL	D. C.	7 Sixth St. N. E.
FORD, CHRISTOPHER WM.	N. Y.	702 19th St.
†FORD, CHRISTOPHER WM. †FOX, JAMES C.	Me.	Metropolitan Club
LL.B. 1892, LL.M. 1894,		
Georgetown	N. Y.	2004 15th St.
GALLAGHER, THOMAS A. †GEBHARD, LOUIS AUGUST	N. Y.	1820 Calvert St.
CHARTIN AUGUST	N. J.	Wardman Courts, South
†GILMARTIN, AUSTIN FOLGER GILMORE, BERNHARD HAROLD	W. Va.	415 G St.
A.B., 1919, University of Wes		110 0 00.
Virginia Virginia		
	Tenn.	453 Lamont St.
GRAHAM, HARRY GRANT, CHARLES C.	D. C.	1119 O St.
B.S. 1911, Allegheny College		
*GRAY, ROY CLIPTON	Tenn.	808 G St. S. E
GREEN, JULIA E.	Mo.	4728 13th St.
†GROSER, ANNA I.	Pa.	1814 G St., Apt. 1
GUILFORD, HORACE ELMER	Va.	McLean, Va.

HAIRE, HOMER H.	Mich.	715 Shepherd St.
HANN, RAYMOND M.	D. C.	1018 Mass. Ave. N. E.
HARTER, SGT. FRED R.	Mich.	2606 Mozart Place N. W.
*HATFIELD, HAROLD DE WOLFE		1361 Irving St.
R & 1010 Connection State	Callada	1002 as 1 as 6
B. S., 1910, Connecticut State College; B. S. in M. E.,		
College; B. S. In M. E.,		
1915, George Washington		
University		***** **** Ci
*HAWKINS, JOSEPHINE	Wyo.	1209 12th St.
HENNESSEY, JOHN PATRICK	Conn.	1165 19th St.
HOBSON, MELVIN CLAY	D. C.	19 W St. N. W.
HOFFMAN, JAMES I.	Pa.	415 Shepherd St. N. W.
A.B. 1918 Franklin and		
Marshall College		
HOOPER, ALBERT G.	Me.	1410 M St.
HOUGHTON, JOSEPH DAVENPORT		917 18th St., Apt. 4
HOOVER WALLES PRANTED	D. C.	1514 17th St.
HOOVER, WALLACE BEATTIE HOWARD, FORREST KESHENA	Va.	Falls Church, Va.
HOWARD, TORREST KESHENA	Miss.	1814 G St., Apt. 1
HOWARTH, LOUISE	TAT 1999	1011 G Duij 12por -
B.S. 1916 Bellhaven College	200	O1F TTbox C4
*HURLEY, HERBERT E.	D. C.	615 Upshur St.
Jones, Thomas Henry	N. Y.	1404 Belmont St.
REYSER, CLARENCE NAAMAN	Pa.	109 Chestnut St.,
B.S., 1914, Pennsylvania State College; M. S., 1917, Univ.		Takoma Park
College; M. S., 1917, Univ.		
of Georgia		
*KIENER, TYLER BAINBRIDGE	D. C.	919 P St.
*KILMARTIN, JEROME O.	Va.	1834 Ingleside Terrace
KING, ANGUS STANLEY	Va.	2024 King St., Alexandria, Va.
KIRKPATRICK, ARNOLD	Fla.	29 Eye St. N. E.
*†KNAUB, RICHARD Z.	D. C.	225 12th St. N. E.
†KNIGHT, KARL	D. C.	223 Seaton Place N. E.
*Ksanda, Charles J.	D. C.	1717 De Sales St.
LANKEORD INCOME	D. C.	2450 Rhode Island Ave. N. E.
LANKFORD, JESSE W.	Texas	707 Mt. Vernon Place
LAWRENCE, WALTER BARTOW	Va.	1300 Pennsylvania Ave.
LEEF, WILLIAM HUNTER	Md.	Rockville, Md.
LEHMAN, PERCY BIRKETT		1009 Gibbon St.,
LINDSEY, PAUL	Va.	Alexandria, Va.
MACDONNER T	Man	2938 Upton St.
MACDONNELL, LOUISE	Mass.	Y. M. C. A.
MACEWEN, HAROLD EDWARD	N. Y.	2002 G St.
McCarthy, Elwood Milton	Va.	Cherrydale, Va.
*McCarthy, Elwood Milton McCarthy, Walter T. *McCook, Harold McCormick John D	Va.	4915 13th St.
McControl Harold	N. Y.	1377 North Carolina Ave.
D C JOHN D.	D. C.	1317 Horen Caronan
McCormick, John D. B. S in C. E., 1914; C. E., 1915 George Washington Univ	,	
George Washington Univ.		602 Quincy St.
	Conn.	3532 Park Place
	D. C.	21 Sixth St. N. E.
MEHLFELT, JAMES R.	Pa.	21 Sixtii St. 14. 12.
PRINCERT, CHARLES	5 (1	ACE A CA C F
KNICKERBOCKER	D. C.	405 A St. S. E.
THE YERSON MYTTOON INCAN	N. H.	2949 Tilden St. Walter Reed
	W. Va.	Laboratory, Walter Reed
Ph.C., 1915, Valparaiso Univ.		Hospital

*MINASIAN, GEORGE TALMAGE	N. Y.	1802 R St.
M.E., 1918, Cornell		
MITCHELL, HOWARD J.	Pa.	House of Representatives
*†Monroe, Thomas Melton	D. C.	2018 1st St.
MUDD, KOSTKA	D. C.	Walter Reed Hospital
MURRAY, EDMUND CHURCHILL	Md.	1825 Adams Mill Road
*NADELMAN, ELIAS	Conn.	1414 12th St.
*NARAMORE, GEORGE LEONARD	D. C.	4518 9th St.
OHLRICH, AXEL VALDEMAR	D. C.	511 Seward Square S. E.
*Ohsol, Johann G.	D. C.	2236 Decatur Place
Ph.D., Harvard University		
PAGTER, AMOS TOWNSEND	Conn.	3120 Mt. Pleasant St.
Ph.B., 1911, Yale		
*†Patrick, Ermin Chambers *Patrick, William Earle, Jr. *Patton, John William	D. C.	600 23d St.
*Patrick, William Earle, Jr.	R. I.	1823 G St.
PATTON, JOHN WILLIAM	N. C.	3412 P St.
A.B., 1918, University of North	h	
Carolina		
*Pearson, Edgar W.	Me.	Apt. 405, The Marne
*Peterman, James Cuyler	La.	1119 Euclid St.
PHALEN, WILLIAM CLIFTON	D. C.	1717 Lanier Place
B.S., 1899, M.S., 1902 Massa		
chusetts Inst. of Technology	7	
Ph.D., 1909, George Washing-		
ton University		
*PHILIPS, WALTER HIRAM	Ohio	1842 Calvert St.
PIERPONT, HARRY Y.	D. C.	1338 Kenyon St.
POYNTON, EDWARD ARTHUR	D. C.	4019 5th St.
†PURYEAR, ALFRED I.	Tenn.	Office Director of Air Service
*Ramsay, Harold Theodore *Riley, Harry Conrad	Mass.	1954 Biltmore St.
RILEY, HARRY CONRAD	D. C.	2624 Garfield St.
RODIER, PHIL L.	D. C.	1831 F St.
ROLLWAGE, EDGAR A.	Ohio	Y. M. C. A.
RUSSLER, ELMORE D.	D. C.	12 Fourth St. S. E.
*St. Sauveur, Lewis A.	Mass.	608 M St.
*SCHNABEL, WM. J.	D. C.	207 F St. N. E.
*SEELEY, HAROLD J. SEMMES, HARRY HODGES	N. Y.	Apt 1, 2031 F St.
DE 1012 Destant	Md.	Room 608 Ouray Bldg.
B.S., 1913, Dartmouth		
LL.B., 1916, George Washing-		
ton University	3.1.1	1110 1041 64
*SETH, ALEXANDER LAZEAR	Md.	1116 10th St.
A.B., 1898, Johns Hopkins		
LL.B., 1900, University of Maryland		
SIEBEL, WILLIAM LAWRENCE	DO	Conlan Counts
*SILBER, WALTER CHARLES	D. C.	Copley Courts
*Simpson, Paul J.	Pa. D. C.	239 9th St. N. E.
SLATTERY, THOMAS F.	Conn.	3931 14th St.
SMITH, GEORGE A	Wash.	153 Rhode Island Ave.
SMITH, GEORGE A. SMITH, RAYMOND C.	D. C.	2700 13th St. 1006 B St. S. W.
*SMITH, SAMUEL L.	Va.	Glencarlyn, Va.
*SPRING, ARLINGTON C.	N. Y.	1241 E St. N. E.
SPRINGER, GEORGE DENDON	Mich.	2312 Woodridge St. N. E.
B.S. in C. E., 1911, Michigan	Transati.	TOTAL WOODINGS DV. 21. 25.
Agricultural College		
STEVENS, ALLEN REYNOLDS	D. C.	35 Carroll Ave.

SUTTON, DICK	Okla.	1329 Delafield Place
SWEITZER, FRED W.	Va.	822 Connecticut Ave.
*TICER, WILMER L.	D. C.	1025 Florida Ave. N. E.
TIVER, WILMER II.	D. C.	1440 Rhode Island Ave.
*TINKER, ROYAL MUSGRAVE	D. C.	2121 15th St.
TONKIN, MAURICE BRADLEY		314 Rutland Courts
*TURNER, EDWARD	Wash.	The state of the s
*†UPTON, WILLIAM BAYLY, JR.	D. C.	1842 Calvert St.
VALENTINE, CLYTUS E.	Ohio	1615 S St.
VAN BRUNT, FRED B.	Mich.	1316 Monroe St.
*VIETH, KENNETH	D. C.	2555 Rhode Island Ave. N. E
†WADSWORTH, ROBERT		
LANGFORD	D. C.	70 V St.
WAGONSELLER, EARL A.	Ill.	526 Irving St.
WALTERS, MARION IRVEN	D. C.	3226 Warder St.
WATSON, JOHN ALFRED	Md.	4011 14th St.
*Webster, Wm. Stuart	D. C.	1448 Park Road
*†WEISGERBER, CHARLES		
FREDERICK	Pa.	1505 22d St.
WHALAND, NORMAN D.	Mass.	3746 McKinley St.
WHITE, ERNEST CROEL	Va.	1829 19th St.
A.B., 1910, Randolph-Macon	4 66+	2000 2003 000
*WILKINS, THOMAS MARTINEZ	Wyo.	1428 R. St.
*WILKINSON, HARRY PAYSON	Md.	2 Magnolia Parkway,
WILKINSON, HARRY PAYSON	Mid.	Chevy Chase. Md,
tWires Is No.	Md.	Landover, Md.
WILSON, JOHN NANTS, JR.		637 Princeton St.
YUROW, DAVID	D. C.	3920 Illinois Ave.
ZEPP, EDWARD FRANKLIN	D. C.	
ZIMMERMAN, CHARLES BURRITT	Pa.	1028 17th St.

TEACHERS COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS AND BACHELOR'S DIPLOMA IN EDUCATION

AARONSON, NAOMI (54) (D. C.)	.1106 Fairmont St. N. W.
ADAMS, MARIORIE (0) Tenn	.1209 K St. N. W.
ADRINS, Mrs. Jesse (48) (Wis.)	Quincy St., Chevy Chase, Md.
JALLEN, FLORENCE (0) (Mass.)	.506 Seward Square S. E.
AMBROSE, AMY (0) (Iowa)	. Government rioteis.
ANDERSON, THEODORA CHYLER (0) (Va.).	. 230 G St. N. W.
ANDREWS, ELIZABETH MARIE (48) (D. C.	1.1837 14th St. N. W.
TAPRIL, SYBIL REBECCA (0) (N. J.)	.963 14th St. S. E.
ATWELL, BESSIE (44), (III.)	.318 9th St. N. E.
BAILEY, LILLIE PORTER (116), (D. C.)	.1513 8th St. N. W.
DARKER, ALMA (84), (D. C.)	.302 S St. N. E.
DARTSCH, MRS SIGNE CIERDRIM (102)).
(D, C.)	. 1450 Delmont St. IV. W.
DASHFORD MARCARET LOSEPHA (104	
_ (va.)	R. F. D. a, Mcamuna, va.
BASSETT, CATHERINE CLARKE (58), (D. C.)	But Brown O
BEACH, RUTH CATHERINE (0), (Ohio)	FOR RECOVERY, O.
BECK, MARGARET MAE (30), (Wis.)	1220 Rhode Island Ave N. W.
BELL, MARGARET BYRD (71), (Tex.).	2120 Channing St X E
Bell, Mrs. Etta R. (69), (Mo.)	849 C St N E
BEIL, RUTH (66), (D. C.)	1135 17th St. N. W.
†Berry, Mary Parran (0), (Mich.)	609 6th St. N. W.
MARY PARRAN (0), (MICH.)	.000 0011 000 210 110

+Promise Iva (0) (Wie)	907 13th St. N. W.
†Bethel, Iva (0), (Wis.)	2010 Dark Place
BETHEL, NORA LUCINDA (U), (III.)	Communit Hatala E E Dida
*BIRDSONG, BIRDIE OTIS (59), (Ga.) BLEDSOE, DORA BELLE (0), (Ky.)	. Government Hotels, E-r Didg.
BLEDSOE, DORA BELLE (0), (Ky.)	. 201 Eye St. N. W.
TRIOCH MRS SARA KOENIGSBERG (U). (I).
C.)	. 1320 Belmont St. N. W.
*BOLEN, VIRGINIA FRANKLIN (U), (Va.)	. 1412 Eye St. N. W.
*BORDEN HAZEL A. (0). (Mass.)	. 1501 Farragut St. N. W.
*Bowden, Anna Virginia (0), (D. C.)	Silver Spring, Md.
*Bowden, Anna Virginia (0), (D. C.) Bowers, Ethel (70½), (Ind.) Boyd, Helen (24), (N. J.)	.1736 F St. N. W.
BOYD HELEN (24) (N. J.)	1601 6th St. N. W.
RRAY MARY MADELINE (56) (Pa)	1325 D St. N. E.
Bray, Mary Madeline (56), (Pa.)*Brink, Elizabeth C. (0), (Pa.)	402 Shepherd St. N. W.
*Bristow, Marie (26), (Ind.). †Broome, Edwin Warfield (93), (Md.).	1400 Chapin St N W
DRISTOW, MARIE (20), (Ind.)	Poekville Md
DROOME, EDWIN WARFIELD (99), (MIL.).	2046 Mills Assa N. E.
*Brown, Elizabeth Estelle (0), (S. D.)	. 2940 Mills Ave. N. E.
Brown, Georgia Mae (76), (Minn.)	Government Hotels, R-5 Diag.
BRUCE, GAIL (88), (Ohio)	. 1652 29th St. N. W.
BRUCE, GAIL (88), (Ohio)	.517 E St. N. E.
BRYAN, BESS LUCILE (0), (Tenn.)	. 1126 New Hampshire Ave. N.
	W.
BURROUGHS, EUGENE SCOTT (95), (Md.)	.Clinton, Md.
†CAMPBELL BESSIE BLACKWELL (30)).
(Va.)	. 1305 Rhode Island Ave. N. W.
CARLSON, ELIN (48), (Mich.)	.664 Highland Ave. Takoma Pk.
†CARNEY, ETHEL (0), (D. C.)	1009 Otis Place.
CAPTER NELLE ELIZABETH (0) (Ind)	1827 Eve St N W
CARTER, NELLE ELIZABETH (0), (Ind.) CHALLICE, CLARA ELIZABETH (58), (D. C.) CHAMBLIN, JULIA VIRGINIA (0), (Va.)	1790 Laniar Dlace
CHALLICE, CLARA ELIZABETH (30), (D. C.)	Ant 104 Follestone Courts
CHAMBLIN, JULIA VIRGINIA (0), (Va.)	2000 1941 CA N. W.
CHAPMAN, MARION LOUISA (0), (D. C.) *CHEATHAM, TERESA W. (0), (N. J.) *CHEESEMAN, EMMA C. (52), (N. Y.)	. 3228 13th St. N. W.
CHEATHAM, TERESA W. (U), (N. J.)	. 1804 10th St. N. W.
*CHEESEMAN, EMMA C. (52), (N. Y.)	.3512 10th St. N. E.
CLIFFORD, MAY FRANCES (U), (MINI.)	. 000 Mass. Ave. Iv. E.
COATES, LYLA M. (0), (D. C.)	. 4601 Ga. Ave.
COATES, LYLA M. (0), (D. C.)*COBB, EDITH GREY (0), (N. C.)	. Government Hotels, X-Y Bld.
COLBERT, ALICE (0), (D. C.)	. 1782 Lanier Place.
COLBERT, ALICE (0), (D. C.)	.912 14th St. N. W.
*Connell, Lillie Marie (115), (D. C.) *Cotter, Mary Louise (48), (D. C.)	.1642 29th St. N. W.
*COTTER, MARY LOUISE (48), (D. C.)	1648 Fuller St. N. W.
COVINGTON, LOUISE ISABEL (113), (Mo.).	208 Md Ave N E
CRABTREE, EUNICE KATHERINE (30), (I)
C.)	1204 Fuelid St N W
CROCKETTE RESIDENCE IN (71) (D. C.)	1617 Swan St N W
*CROCKETT, BESSIE LEE (71), (D. C.) *CROWDER, NAOMI (10), (Va.)	1155 Marro Ct N. E.
Danner M. NAOMI (10), (Va.)	.1155 Morse St. N. E.
DARBY, MARGARET IJANIS (24), (Md.)	, 1819 G St. N. W.
DAVIS, EMILY R. (0), (D. C.)	.107 R St. N. W.
DAVISON, MRS. MABEL M. (43), (D. C.)	.2700 13th St. N. W.
DAVISON, RUTH LOWE (8), (D. C.)	Government Hotels, P-Q Bldg.
†Davison, Ruth Lowe (8), (D. C.) *De Shields, Mae Viola (0), (D. C.) Dupour, Arline Hughes (113), (D. C.).	. 125 5th St. N. E.
DUFOUR, ARLINE HUGHES (113), (D. C.).	. 1860 Columbia Road.
DULAC, MRS. HILDA NORTH (95), (D. C.).	. Univ. Apts., Baltimore, Md.
Dulay, Ann Veronica (0), (Neb.)	.3725 Morrison St. N. W.
*Dunlay, Ann Veronica (0), (Neb.)	,3343 Mt. Pleasant St.
*Duskin, Edna (0), (Kan.)	.406 E. Wardman Courts.
*Duskin, Edna (0), (Kan.). †Earnest, Hazel Virginia (0), (Md.)	Mt Rainier, Md.
EARNEST, LILLIAN OPHELIA (0) (Md)	Mt. Rainer Md
EARNEST, LILLIAN OPHELIA (0), (Md.) ECKBERG, LILLIAN S. (0), (Minn.)	618 11th St. N. W.
(0/) (4************************************	.0.0 2803 00. 21. 11.

HASLUP, DOROTHY LUCILE (0), (Md.). Laurel, Md.

*HAYES, ANNIE BROWN (42), (Pa.). 1421 Columbia Road.

*HEIDER, ANNA (68), (D. C.). 943 Westminster St.

HENDERSON, ELEANORA (84), (D. C.). 1630 17th St.

*HERMAN, ELIZA JANE (0), (Mich.). 1315 20th St.

HESSLER, AGNES BERTHA (40), (D. C.). 1358 C St. S. W.

*HILL ALMA CELESTE (0), (D. C.). 1367 Quincy St. *HILL, ALMA CELESTE (0), (D. C.)... 1367 Quincy St.
*HILL, HELEN BLACKSTONE (52), (D. C.). The Alabama.
*HILLYARD, RUTH MILDRED (0), (D. C.)... 1124 10th St.
*HILLYARD, FURTH MILDRED (0), (D. C.)... 12892 13th St.

HINES, RUTH GLADYS (0), (Mass.)1201 E. Capitol St.
HIPPE, INGA AUGUSTA (9), (Minn.)1419 Clifton St. *HOLMES, IMOGENE ELIZABETH (0), (Ind.). 1627 Lamont St. HOPP, EVELYN ERNESTINE (0), (Mass.)158 You St. N. E.
HUBER, JOSEPHINE MARIE (58), (D. C.)1308 Md. Ave. N. E.
HUCKABEE, HENRY GRADY (62), (Als.)CIVII Service Comm. HUMPHREY, MARY ELIZABETH (95), (D. C.).406 Rhode Island Ave. N. W. *HYNES, EDNAH MAY (0), (Md.)315 E. North Ave. Baltimore, Md.
Jackson, Franklin Joseph (56), (D. C.)1212 Massachusetts Ave. N. W.
*Jackson, Muriel Agnes (0), (N. Y.)1515 Massachusetts Ave. N. W.
JENKINS, KATHRYN BIRD (0), (D. C.) 903 H St. N. W. JOHNSON, EMILY WINIFRED (67), (Va.) Cherrydale, Va.
Johnson, Emily Winifred (67), (Va) Cherrydale, Va. Johnson, Virginia Head (86), (D. C.) 1107 O St. N. W. Jones, Florence M. (0), (Neb.) 2123 18th St. N. W. Jones, Mrs. Marie Macmillan (Wash.). 2315 Pennsylvania Ave. N. W.
JONES MIRIAM MARGARET (15), (N. C.) 10/ Second St. N. E.
JUDGE, IVA MARGARET (0), (Wis.)
KACFFMAN, HARVEY EARL (117), (ra.)135 Ivid St. N. W. KELTON, ADELAIDE (60), (D. C.)1827 Kalorama Road. KENDRICK, ELIZABETH H. (0), (D. C.)The Cumberland.
*Kenkamp, Lella Myrtle (0), (Minn.). 433 Mt. Pleasant St. *Kinsey, Gretchen Woodside (0), (Pa.) 407 Randolph St.
*KIDEBRIDGE MRS IDENE HYTREE (0)
(Ohio)
Bldg. Bl
*Lawrence, Lenore Louise (0), (Mich.) .3212 Park Place. *Lawson, Margaret Lucile (54), (D. C.) .206 13th St. N. E.
*Lawson, Margaret Lucile (54), (D. C.). 206 13th St. N. E. †Lewis, Elizabeth Stanton (0), (D. C.) 3316 Mt. Pleasant St. Loman, Mary Eugenia (58), (Md.) Sherman Ave. Takoma Park.
LOUX, LLOVE FOX (0), (Pa.)
*Love, Ruby (0), (Mo.)
Macon, Lena (18), (III.)
Va. 1. 1724 Park Road
†MANGELS, MRS. CLARA SHERMAN (0), (Md.)
†Mangun, Clara Bell (0), (Ohio)120 Md. Ave. S. W. †Marshall, Emma Blanche (0), (D. C.)1317 Rhode Island Ave. Martz, Marguerite Upsita (56) (Md.). 1700 I St. N. W.
MATTHEWS, ETTA HELENE (85), (D. C.) 1223 Euclid St. MATTHEWS, FRANCES MARKE (II) 18 Bryant St
MAXSON, EVELYN JULIET (6832), (D. C.). 647 E. Capitol St. MERK, LOIS HAYDEN (74) (D. C.). 1831 California St.
MARTZ, MARGUERITE URSULA (56), (Md.) 1700 I St. N. W. MATTHEWS, ETTA HELENE (85), (D. C.). 1223 Euclid St. MATTHEWS, FRANCES MARIE (0)

MEYER, ELLA LYDIA (53), (Neb.)	Government Hotels, G-H Bldg.
AVAILERS, T.I.ARA PSETTE (S) [1] [:]	3714 Wisconsin Avo
MINOR, MRS. ISABEL MAYNARD (52), (C.). MINOR, IVA GOLA, (6712), (Mo.). *MOBLO, LILLIAN IRENE (0), (Mich.). †MONDER.	D
Minor In Con 10010 (2)	129 Varnum St.
*Monro I (0712), (Mo.)	1324 Kenyon St.
MONDED DANSMIN AND AND AND AND AND AND AND AND AND AN	1110 F St. N. W.
(Md) RAVENELL ANNESLEY	Caitharahura Md
MOODY ADA C (48) (D C)	1519 D Ca N W
†Monred, Ravenell Annesley (Md.). Moody, Ada C. (48), (D. C.). Moore, Dellar Sears (0), (Ill.).	1408 15th St. N. W
MOORE GEORGE MANSEITTE (0) (Ky)	621 Rock Creek Church Rd
*Moore, George Mansfield (0), (Ky.) *Moore, Margaret Myrtle (30), (D.
*Moran, Kathleen Mary (0), (Ind.)	. 656 Massachusetts Ave. N. E.
*Moran, Kathleen Mary (0), (Ind.)	601 E St. N. W.
MIURITARE Plorence (reimo (46) (1)	1 1141 New Hemmehire Ave
MORTIMER, LUCILE ELIZABETH (Ó),
*Mortimer, Lucile Elizabeth (D. C.)	1141 New Hampshire Ave. N
*Manua D 25 (0) (7)	W.
*MOUNT, RUTH M. (0), (D. C.)	219 Pennsylvania Ave. S. E.
C) MRS. BESSIE BOYD (114), (D. 1701 C. 1 - 1 : D - 1
Memory	. 1731 Columbia Road.
*NELSON CONTROL (54), (D. C.)	120 I hird St. N. E.
NEISON CHICISTINE ARNOLD (U), (AY.)	OFOA 174b CA AT W
NEWLOVE MRS MEDINE (12), (N. D.	() 2024 17th 56. IV. W.
NEWLOVE, MRS. MERLE WHITE (941/2), (N. D. NEWLOVE, IVADEL ELSIE (61), (N. D.)	713 19th St. N. W.
NEWLOVE, IVADEL FLATE (61) (N. D.)	713 19th St. N. W.
NICHOLLS, VIRGINIA M. (48), (D. C.)	2144 F St. N. W.
NICHOLLS, VIRGINIA M. (48), (D. C.) NICHOLLS, VIRGINIA M. (48), (D. C.) NICHOLS, DOROTHY VALENTINE (0), (Md. NICHOLS, HERBERT BARKER (33), (D. C.) NOLAN, MARGARET COX (0), (N. Y.) O'DONOGHUE, ALICE C. (0), (D. C.) OPEUTT, VIOLA (115), (Md.) OLDHAM, ELIZABETH GRACE (0), (Fla.)) 6402 Connecticut Ave. N. W.
NICHOLS, HERBERT BARKER (33), (D. C.)	. 6402 Connecticut Ave. N. W.
NOLAN, MARGARET COX (0), (N. Y.)	.1819 G St. N. W.
O'Donoghue, Alice C. (0), (D. C.)	. 2300 First St. N. W.
OFFUTT, VIOLA (115), (Md.)	. Bethesda, Md.
†OLDHAM, ELIZABETH GRACE (0), (Fla.).	Government Hotels, V-W
*0	Bldg.
ORNAM (14), (Mich.)	. 1400 Fairmont St.
*OLIN, SARAH (14), (Mich.)	.2008 G St. N. W.
PATTERSON M	.4121 9th St. N. W.
(D C), MARGARET ST. CLAIR (U), 2107 N C+ N W
PAYNE LIVIN MAY (94) (Va)	Ralleton Va
PERLMAN REPERCY (60) (D.C.)	608 Louisiana Ave. N. W.
PATKER, CORDELIA JANE (0), (III.) PATTERSON, MARGARET ST. CLAIR (0 (D. C.) PAYNE, LILLY MAY (84), (Va.). PERLMAN, REBECCA (60), (D. C.). PETZOLD, NELLE (0), (Calif.) POINDEXTER, MATTIE (66), (Ky.)	1603 Connecticut Ave. N. W.
POINDEXTER, MATTIE (66), (Ky.)	1410 11th St. N. W.
Pollock, Laura Kersey (67), (Va.) Powell, Lucy Chandler (0), (Va.) Price Lillian Parint (0), (Va.)	Victoria Apartments.
POWELL, LUCY CHANDLER (0), (Va.)	. 1626 6th St. N. E.
PRICE, LILLIAN PEARL (0). (Del.)	. 1802 M St. N. W.
QUINN, DAVID LONG (0), (Md.)	.2211 H St. N. W.
RANDALL, BERNICE (103), (D. C.)	. 2035 F St. N. W.
PRICE, LUCY CHANDLER (0), (Va.) PRICE, LILLIAN PEARL (0), (Del.) QUINN, DAVID LONG (0), (Md.) RANDALL, BERNICE (103), (D. C.) REED, MARGARET DAVIS (104), (D. C.) REEVES, RUTH ELIZABETH (62), (Va.)	2809 14th St. N. W.
REVES, RUTH ELIZABETH (62), (Va.)	Falls Church, Va.
RHODES FOR LOUISE (0), (N. Y.)	.128 12th St. N. F.
RING CREEDDA (0), (Pa.)	.2721 11th St. N. W.
REEVES, RUTH ELIZABETH (62), (Va.) REEVES, RUTH ELIZABETH (62), (Va.) REYNOLDS, ALICE LOUISE (0), (N. Y.) RHODES, FREDDA (0), (Pa.) RING, GRETCHEN (86), (D. C.). ROBERTS, EVELYN MILLER (48), (Pa.)	1722 20th St N W
ROBERTS, EVELYN MILLER (48), (Pa.) ROBERTS, HARRIET SHEPHERD (1051/2)	. 1755 2011 01 1. 11.
(Pa.) HARRIET SHEPHERD (103/2)	
	. 1100 2001 201 211 111

ROGERS, MES. FLORENCE HOPKINS (66), (D. C.)	4 Euclid St. N. W.
Rod, Eva (0), (D. C.)	1 18th St. N. W. 5 Massachusetts Ave. N.
Rose, Mary Estelle (105), (D. C.)296 *Rouse, George (0), (Oregon)181	3 Tilden St. N. W. 9 G St. N. W.
*Rouse, Mary (0), (Oregon)	Bates Street u, Neb.
RYAN, FANNIE MERRITT (17), (N. J.)	Eye St. N. W.
pines)	kville, Md. rernment Hotels, EF.
SATTERFIELD, LUNA ELSIE (0), (N. C.) 322	A St. S. E.
*Scott, Hyacinth (0), (Pa.)	Balfour. Third St. N. E.
*SHAFER, MARY MANDILLA (0), (Ind.)Gov	ernment Hotels, P-Q Bldg.
SLAYTON, MARY RUTH (0), (Idaho) 132 SMITH, EDNA SOPHIA (86), (Mich.) 132 SMITH, MAURICE MERLE (90), (Okla.) 251	0 10th St. N. W.
SMITH, ZEULA ZONG (0), (Calif.)203	TSt. N. W.
*Speiser, Mary Elizabeth (34), (D. C.). 226 Souire, Mrs. Minnie C. (54), (D. C.). 134	8th St. S. E. 9 Parkwood Place.
*Stack, Clara Louise (48), (D. C.)342 Stallings, Mildred Evelyn (81), (D. C.)	I 14th St. N. W.
*STEELE, SARA NEWTON (0), (Ga.) 173 †STEWART, CATHERINE MAUD (10), (Va.) E STEWART, ELIZABETH TABB (91), (Va.) E (P. C.) (D. C.) (D. C.)	5 Willard St. Falls Church, Va.
*STOVALL MISS TOM (0), (Ala.)141	4 K St. N. W.
"STRANTZ, ANNA LOUISE (33), (Ind.)183 TAYLOR, MABELLE CLAIRE (16), (Ind.)930	0 St. N. W.
THIESPELDT, PAULINE ELIZABETH (0), (Mass.)	8 H St. N. W.
THORN, LULA BASSETT (52), (D. C.)	3 15th St. N. W. 11th St. N. E.
TICE, JOYCE M. (0), (Minnesota)	Bldg.
*Todd, Marie Bockover (0) (N. Y.)127 Tonge, Catherine Mary (80), (D. C.)401 Trotter, Katharine Elizabeth (70), (D. C.)512	Rhode Island Ave.
Twele, Gladys Rosamond (30), (D. C.). Lai *Tyree, Zelma Rigby (50), (D. C.)132	ham, Md. 8 Maryland Ave. N. E.

W. W.

*Uleberg, Andrea (0), (Minn.)	1133 Allison St.
VAIL, MARGARET LEE (0). (D. C.)	The Toronto.
VAN DYKE, MABEL (15), Ohio)* *VAUGHT, LESSYE LEE (30), (W. Va.)	. 121 North Carolina Ave S E
*VAUGHT, LESSVE LEE (30) (W. Va.)	3720 New Hampshire Ave N
, see daily 200018 1288 (00), (** * ***)	W.
WAESCHE, MARY ELEZE (0), (Md.)	6105 4th St. N. W
WALCOTT, MARIE ESTELLE (56), (D. C.).	410 6th St N E
WALSH, JOHN BERNARD (90), (Mont.)	4.19 Massachusette Ava V W
WALTER, GERTRUDE ELIZABETH (90), (1	nasachuseus avev. w.
C)	406 A St S E
C.) WEYMAN, MOLLIE BEERS (112), (D. C.).	1210 Columbia Pand
WHEATLEY, MARY ELIZA (100), (Va.)	2128 F &
WHITEPARY MARCARINE PAR (64) (D.C.)	The Alabama
WHITZELL, MARGARET L'VA (64), (D. C.)	1927 M St N W
*WILLEY, BESSIE FERN (0), (Kan.)	1007 9. J 04
WILLIAMS, HARRIET MARTHA (0), (Pa.).	1912 Ontonio Place
WILLIAMS, INEZ SPRAGUE (0), (Ohio)	1705 U Canada
WILLIAMSON, MARGARET (54), (Va.)	1000 184b 84
WILLIAMSON, MARY LILLIAN (0), (Va.)	1420 W C4 N W
WILSON, JOSEPH HENRY (8), (Pa.)	1430 W St. IV. W.
B. S. in M. E., 1919, George Washingto	on University.
WILSON, MARY E. (0), (Va.). WINER, MARTHA ELIZABETH (63), (D. C.)	The Imperial
WOLD H. WARTHA ELIZABETH (03), (D. C.)	2000 Ashmand Dlags
OLF, HATTIE MARY (PA) (1) (1)	AND AND DESIGNATION OF THE PROPERTY OF THE PRO
WOLFENBERGER, FLOY (91), (Mo.)	1430 R St. N. W.
WOLMAN, RENA (64), (Md.):	1740 O St. N. W.
WOOSTER, VIVIAN (0), (Mo.)	1110 10th Ct N W
*WRIGHT OSEPH FRANK (U), (Ky.)	Washes Park Hetal
Worley, Joseph Frank (0), (Ky.)	Wardman Fark Hotel
AND, URACE IIII IN TO	The Crordon.
TOUNG, HILDA MAY (52), (D. C.)	. 1312 Belmont St. N. W.
SPECIAL STUD	ENTS
ABBOT, JULIA WADE, (N. J.)	1661 Hobert St
ALRICK, ANDREA JOSEPHINE (Mont.)	Comment Hotels P.O Bldg
BEKER, MARIE ANTOINETTE (N. Y.)	1455 Relmont St
A. R. 1016 Hand C. B.	1400 Delmont St.
A. B., 1916, Hunter College.	The Coine
CRADY, ANNA CECELIA, (Md.)	The Cairo.
FITZHUGH, SALLIE PANNILL (Va.)	DOO D St. N. E.
*Howard, Ella Oldham (Mass.)	929 New Hampshire Ave. IV.
Hume, KATHERINE B. (Ky.)	
ATHERINE B. (KV.)	1326 Columbia Rd.

†Parkes, Sara Jay (D. C.)	1218 Girard St. N. W. 2124 Pennsylvania Ave. N. W. 623 Newton St. N. W.
B. S., Valparaiso University. SMITH, JESSIE (Ky.). SNOWDEN, ELIZABETH VICTORIA (D. C.). ST. JOHN, MRS. GRACE MARY ZINSSMEISTER (D. C.). STEWERT, MARY MABEL (D. C.). A. B., 1914, Grove City College; A. B.	.1800 K St. N. W. 127 3rd St. N. E.
ington University. *Stone, Lucia Mey (Washington). Thomas, Mrs. Harriett Isabel (Ky.). Toner, Caroline Estelle (D. C.) Vaughn, Effie (Va.). Whitaker, Anne Rutledge (Tenn.) Wisroth, Minnie Amanda (Neb.)	. Rutand Courts. . 1814 Ingleside Terrace. . 1356 Emerson St. N. E. . 1312 R St. N. W.

SUMMER SCHOOL.

4 C	Texas
ABEL, GLADYS	Novada
ABEL, JAMES FREDERICK	Nevada
A. B., University of Nevada; A. M.,	
Stanford University	m
ABEL, MEREDYTH	Texas
ADAID PRINCE	AA CHOTTITIED COTT
Anise Tisene M B	WESTVESHU
ATTENT DIPPH EDANCES	District of Columbia
Anderson, Edith A	Illinois
Anderson, Robert N	Virginia
A arm marron A v v com	Ullio
Angus, James T	Missouri
ARROWSMITH, JEAN M	Pennsylvania
ARROWSMITH, JEAN M	New Jersey
Asmus, Lewis D	
B. S. in Engineering, Drexel Institute	Donnaylyania
BAER, JOHN L	District of Columbia
BAILEY, LILLIE PORTER	Object of Columnia
BANING GEORGE	Onto
*RADNES MEDODA E.	IIICHAHA
12 a married Tarrest Tarrest and	NOW YORK
RAGGETT SARTIET R	. District of Columbia
BAUER, EMMA B	Pennsylvania
REACH JESSIE	1 exas
BEALL, GRACE E.	Maryland
BEHREND, HENRIETTA	Maryianu
REIT NEITE	I ennessee
BELL, STANLEY W	District of Columbia
BENNETT, AVA L.	Ohio
BENNETTS, MILDRED	Wisconsin
REPGER EDWIN A.	Pennsylvania
Best, S. Jane.	District of Columbia
LIEUT, D. VILLES CO. C.	

Birge, Margaret C	. Virginia
BLANKEN, DAVID	District of Columbia
BLEIKER, Ross F	Missouri
Boswell, Margaret	Virginia
Bosworth, Robert Joseph	. District of Columbia
Bowen, George L	Kansas
Boyd, Helen	. New Jersey
Boyd, Sue H	. North Carolina
A. D., Flora Donaid College	
BOYNTON, AMY C	Ohio
BOYNTON, MARCIA	Ohio
BRACKETT, RUTH F	Maine
Bradley, Mary M	Georgia
*Brasell, Louise	. Mississippi
Brazerol, Catherine Beatrice	. District of Columbia
*Brimer, Thomas J	. Tennessee
Brown, Elizabeth E.	South Dakota
Brown, Erma	. Missouri
*Brown, Josephine A.	. New York
Brown, Lois	Texas
Brown, Mary Esther	Maryland
A. B. Western Maryland College	
Brown, Radford	District of Columbia
Brumm, Henryette	. District of Columbia
BUCHMAN, EVA	. lowa
BURCHFIELD. HENRIETTA	. New York
BURDICK, BERNARD F.	. Alabama
BURNER, ELIZABETH MARY	. Texas
BURSON MAY	Alabama
BURTON, OLIVER E	. West Virginia
CABLER, CLEVELAND	, Arkansas
CAMPBELL, JOHN ALVIN	. Pennsylvania
A. B. Westminster	
CAMPBELL JOHN C.	Washington
CAMPBELL RUTH L.	. California
CARLE HERRERM M	Ohio
CARLISLE, MASTON T. B. S., University of South Carolina; M. S.,	Tennessee
B. S., University of South Carolina; M. S.,	
Vanderbilt	
CARMACK, CHRISTIAN	Florida
CARR, ELMA B	Kentucky
CARTMELL, LEON E.	Mississibhi
CASTELL LOVE	Indiana
CASTILLEJO, LINO JUAN	Philippine Islands
A. B. and T. D., George Washington University	Divis of Colombia
CHARREN ANNA M	District of Columbia
CHEVNEY WILLIAM JAMES	Pennsylvama
Chu, King	China
CHU, KING. A. B., A. M., George Washington University	Milian
HUDCH HARY D	Muchikan
CLARKE REVEDIVI.	District of Columbia
CLARKE, MIRIAM F.	District of Columbia
A B Syrpanisa University	
ORR JOSEPH MANYY	West Virginia
ACCEPAN LIONA M	DISTRICT OF CONTRACTOR
COLBURN, WILLIAM E	Michigan Columbia
OLE, MABEL A	Michigan

COMER, JENNIE E	Minnesota
Comme Change I.	Omo
Connec Cropor H	rennsylvama
Conserve Mag P II	District of Columbia
ACCOUNT TOTAL	LIICIIZMIIZM
Commercial Arma	Maryland
COSTEN, ALTA. A. B. and T. D., George Washington University	
Commence of CACOMO 1.	. Dibuito of Cordinate
COVERT, ROY N	Illinois
Cov Cappie	West Virginia
COVERT, ROY N. COX, CARRIE. CRAMER, ROBERT LEE	District of Columbia
Character Warrana N	District of Cordinate
C V TANANTONIAN	V 11 12 1 1 1 1 1 2 1
CUNNINGHAM, RICHARD H CURTIS, VIVIAN	. West Virginia
*Cypero VIVIAN	. New York
D. a.m. I s osen li	. IN COUCHS IN Ch.
DAVIS, CLARA BELL. DAVIS, WILLIAM H	Virginia
DAVIS, CLARA BELL.	New York
*DE FREES, RAYMOND	.Ohio
DE LONG, CARL R B. S. in Chemical Engineering, Ohio State	.Ohio
DE LONG, CARL IV.	
D C in Chamical Engineering, Unio State	
TT-1	
University	District of Columbia
University	District of Columbia
University Dennison, A. Robert	District of Columbia District of Columbia
University Dennison, A. Robert. Denman, William	District of Columbia District of Columbia Massachusetts
University Dennison, A. Robert. Derman, William. *Dizmer Fouth M	District of Columbia District of Columbia Massachusetts North Dakota
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M	District of Columbia District of Columbia Massachusetts North Dakota Florida
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M *Doke, Lula C. Dollarhide, Daniel Augustus	District of Columbia District of Columbia Massachusetts North Dakota Florida
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. R. Henderson-Brown College	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M *Doke, Lula C Dollarhide, Daniel, Augustus. A. B., Henderson-Brown College Donnolly, Isabel.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel, Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia
University Dennison, A. Robert. Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham Catherine.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason Drummond, Earle J. *Dunham, Catherine	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Elementary William I.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckept. Esther A.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia
University Dennison, A. Robert. Derman, William *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleabon. Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Obistrict of Columbia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Eddelstein, Benedict M.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia Ohio Pennsylvania
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine. Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Edelstein, Benedict M.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Eddlisten, Benedict M. Eldridge, Frank R. Elem Leila Rwife (Missouri)	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St.
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Dovle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine. Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Edelistein, Benedict M. Eldridge, Frank R. Elem, Leila Belle (Missouri).	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline. Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Dovle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine. Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckend, Lulu L. Edelistein, Benedict M. Eldridge, Frank R. Elem, Leila Belle (Missouri) Elliott, James Hull. Envart, Alta.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia District of Columbia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Edelstein, Benedict M. Eldnidge, Frank R. Elem, Leila Belle (Missouri) Elliott, James Hull Envart, Alta. Edbel Ernart A.	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia District of Columbia District of Columbia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine. Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Edelstein, Benedict M. Eldridge, Frank R. Elem, Leila Belle (Missouri). Elliott, James Hull. Enyart, Alta. Erbe, Ernst A. Evans, Griffeith	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia District of Columbia District of Columbia Ansas District of Columbia Columbia District of Columbia Columbia District of Columbia
University Dennison, A. Robert Derman, William *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus A. B., Henderson-Brown College Donnolly, Isabel Douglas, Laurena W. Downey, Jane Doyle, Blanche Gleason Drummond, Earle J. *Dunham, Catherine Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Eddidge, Frank R. Elem, Leila Belle (Missouri) Elliott, James Hull Enyart, Alta. Erbe, Ernst Fith Evans, Morris	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia District of Columbia Listrict of Columbia Ohio Dennsylvania Maryland Columbia District of Columbia Listrict of Columbia Listrict of Columbia District of Columbia District of Columbia District of Columbia
University Dennison, A. Robert. Derman, William. *Dickenson, Mrs. Arline Ditmer, Edith M. *Doke, Lula C. Dollarhide, Daniel Augustus. A. B., Henderson-Brown College Donnolly, Isabel. Douglas, Laurena W. Downey, Jane. Doyle, Blanche Gleason. Drummond, Earle J. *Dunham, Catherine. Dykes, Chapman I. *Earnshaw, William I. Eckert, Esther A. Eckman, Lulu L. Edelstein, Benedict M. Eldridge, Frank R. Elem, Leila Belle (Missouri). Elliott, James Hull. Enyart, Alta. Erbe, Ernst A. Evans, Griffeith	District of Columbia District of Columbia Massachusetts North Dakota Florida Arkansas Illinois Virginia District of Columbia Illinois Ohio Indiana Georgia District of Columbia District of Columbia Ohio Pennsylvania Maryland 2411 N. Capitol St. Virginia District of Columbia Listrict of Columbia Ohio Dennsylvania Maryland Columbia District of Columbia Listrict of Columbia Listrict of Columbia District of Columbia District of Columbia District of Columbia

THE PERSON

_	
FARRIS, MAY	Indiana
FEDDE, WALTER C	
Erner D.	Colorado
Field, Rosalie. *Fiske, Margaret Ann.	Virginia
*FISKE, MARGARET ANN	New York
*FLAHERTY, PAUL B *FLANNIGAN, SAMUEL C FLOWER, KATHERINE.	Maggaphyagetta
*Extraction of the contraction o	Massachusetts
P. LANNIGAN, SAMUEL C.	Virginia
FLOWER, KATHERINE	District of Columbia
*FOLEY, DR. T. M.	District of Columbia
FOSTED LOADER	Maine of Columbia
FOSTER, ISABEL.	Maine
Fredley, Daisy O	Ohio
FREE, WALTER H	Iowa
FREELAND FROM D	South Dulasta
FREELAND, FRED B.	South Dakota
*FREEMAN, MARY E	District of Columbia
PRIEDMAN, SOLOMON	District of Columbia
FROBES, HERMAN T	Iltah
From Province	Custi
FROST, BEULAH.	Oregon
GALESKI, ALEXANDRA I.	District of Columbia
GALESKI, ALEXANDRA L. A. B., George Washington University	District of Continuous
a. D., George washington University	
GALLERY, J. EUGENE	Maryland
Gambs, John S	Ohio
*CAPPARE U	Di toi to CO londi
*GARDNER, HELEN	District of Columbia
GATES, ISABELLE LIKENS	District of Columbia
GEBHART, ARTHUR J	Pennsylvania
GEIDHOR A F	Michigan
GELDHOF, A. E.	Mienigan
George, Mary V	New York
GESCHICKTER, CHARLES.	. District of Columbia
GIBBON, MARIE E.	Virginia
Cres Manual Education	. , virginia
GILL, MINNA.	. District of Columbia
GILLISS, ETHEL AMELIA.	Maryland
GODDARD, EUNICE F	Maine
Godeney C M	District of Columbia
Godfrey, C. M.	. District of Columbia
GOLDFAIR, SAMUEL	. Colorado
*GOLDFARB, SAUL M.	New Jersey
GRACE, ELIZABETH.	Alahama
Character C.	Alabama
GRAHAM, GEORGE E.	. Pennsylvania
GRAY, EDITH M.	District of Columbia
GRIFFITH, RUTH	Maryland
Carrent Itolin	. Maryimid
GRIGGS, LULA J.	, Tennessee
HALES, RALPH A.	District of Columbia
HALL, MARIE L.	West Vinginia
HAME D.	. West virginia.
HAMILTON, BONIFANT	District of Columbia
MAMRIC, P.THEL MARIE	Virginia
HARDING, RAYMOND B.	Virginia
HADWONE COM	Vincinio
HARNSBERGER, C. W.	. Virginia
HARRIS, GEORGE E.	. Massachusetts
HARRISON, ARTHUR P.	Maryland
HARTMAN, ARTHUR M.	District of Columbia
*II.	Committee of Columnia
*Hawkins, Gertrude.	Georgia
MAYCRAFT, CHARLES J	Maine
HAYS, CAPT. D. S.	Oregon
M F Com By	Oregon
M. E., Cornell University	
HAZELL, JOSEPH W	District of Columbia
HEAT REPRESENT	Indiana
HEAL, BERNICE I.	THUBIE
HECKERT, GEORGE T.	West Virginia
HENDRICKSON, LVDIA	Sweden
HESSLER, AGNES BERTHA	District of Columbia
THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	

HESTER, MARGARET	. Virginia
HENERY CHARLES	. IOWa
Uspan Israi	Minnesota
YY D	District of Columbia
HODGKINS GEORGE W.	. District of Columbia
HOBBS, PAULINE HODGKINS, GEORGE W A. B., A. M., George Washington University	
HOFFMAN HERMAN D	. IVE CALLY ECOLOM
HOLSINGER ERNEST J	. Indiana
Homan, L. S	. Ohio
HONGIE HUDA	Onio
HOMBOKED H I	Pennsyivania
Hodrigg Avec	District of Columbia
Howard, Ella Oldham	. Massachusetts
Howard Marion I.	Virginia
Howison, Marion L B. A., Randolph-Macon College	
HUBER, JOSEPHINE M	District of Columbia
*Hudson, Sarah C	Missouri
Hyperen Davi R	Virginia
HUNTER, PAUL B	New York
HUTSON, RUTH BYERS	District of Columbia
Hyman, Mrs. Sadie	District of Columbia
Iddings, Ruth M	Maryland
IDDINGS, RUTH M	District of Columbia
James, Francis B., Jr.	Lowe
JAMESON, MRS. HARRIET	Ohio
Janson, Lucretia	Dhilipping Islands
JAVELLANA, JOSE B	District of Columbia
JOHNSON, DOROTHY V	District of Columbia
JOHNSON, EDWARD W	. I exas
JOHNSON, HAROLD	Florida
JOHNSTON, WINONA W	Mississippi
JONES, ALICE	Missouri
Jones, F. Marion	Kansas
JONES, MARIE MCM	. Washington
Joost, David	. Texas
KAIN, H. GLADYS	. District of Columbia
KAMPE, ALBERT H	Michigan
KAUFFMAN, HARVEY E	Pennsylvania
KEEN, SADIE ERNESTINE	. Camornia
KEESECKER, WARD W	. West Virginia
KELEHER, EDITH REYNOLDS	District of Columbia
KENNY THOMAS HAMILI	West Allkinia
KENWARD, DELIA E	. New York
KENWARD, DELIA E *KERN. GEORGE A	.10Wa
KERN, RUTH H.	Pennsylvania
KIEFER, CLARENCE M	. Pennsylvania
LL. B., LL. M., National University Law	
School	T
*KILDAY MARGARET	. I exas
*KITTICH, ZHIVOÏN	. Seroia
LL. B., National University Law School	Tomo
LANAGHAN, KATE	District of Columbia
Lanigan, Arthur L	District of Columbia
LAYTON, LOIS	South Carolina
LE BLANC, LAURA S	.Unio
LESTER, MAY M	Virginia
Lide, Louis M	South Carolina
Lindow, Oscar H	. wisconsin

LINDSEY MARROW D	
LINDSEY, MERRITT E	New York
IJI TELL, INCLSON	Y 2"
LITTLE, DONALD.	Kangag
LITTLE, DONALD LITTLE, MRS. EDWARD C. LITTLE JOHN FRANKLING	Kanaaa
LITTLE, JOHN FRANKLIN, JR. L'MOORE, PARKER LODGE, J. EDWIN	Nansas
L'Moore D.	Georgia
LODGE, PARKER	North Dakota
	Maryland
A. B., Richmond College	
*Lovo Mymes of	
*Long, Myrtle C*Long, W Roppyry	District of Columbia
LIOUMIS, ITELEN WAY	Now Vone
LORD, BARBARA P.	Compositions
Loris May C	Connecticut
Louis, Max C.	District of Columbia
THE THAT IS NOT THE TANK OF TH	Instrict of Columbia
LINCH, OLIVE F.	Massachusatte
Lyon, Quinter M.	District of Columbia
McAuslan, Frances May	District of Columbia
B. S., Ohio University	Massachusetts
D. G., Omo University	
McClosky Whilam T	District of Columbia
McClosky, William T.	District of Columbia
McGoveny Louis	District of Columbia
McGovern. Louise	District of Columbia
THE PARTY OF THE P	OWG
WICKAIN, CARRIE	Pannovlyania
McKendree, Laurette	Ohio
McKenzie, Doris	District of Columbia
McManary Come D	District of Columbia
McManamy, Carl D.	Michigan
MACEWEN, THOMAS T	District of Columbia
A R Cooper Washington II-in-	
2. D., George washington University	
MacEwen, Thomas T. A. B., George Washington University	Monthead
MACKAY, MRS. ANNA	Maryland
M. S., Purdue University	Maryland
M. S., Purdue University MAHONEY, JOHN	Maryland
M. S., Purdue University MAHONEY, JOHN	Maryland
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN MAKENS. ADELAIDE	MarylandNebraska South Dakota
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN MAKENS. ADELAIDE	MarylandNebraska South Dakota
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College	MarylandNebraskaSouth DakotaMaryland
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN. MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM R	MarylandNebraskaSouth DakotaMaryland
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN. MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM R	MarylandNebraskaSouth DakotaMaryland
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN. MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM R	MarylandNebraskaSouth DakotaMaryland
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia
MACKAY, MRS. ANNA. M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH. LL. B., George Washington University MASSEY, MARLE F.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH. LL. B., George Washington University MASSEY, MARLE F.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL. A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances. Maul, Sarah E. Mawhinney, John A.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES MAUL, SARAH E. MAWHINNEY, JOHN A. MEAKIN, ALLAN G.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES MAUL, SARAH E. MAWHINNEY, JOHN A. MEAKIN, ALLAN G.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia District of Columbia District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES MAUL, SARAH E. MAWHINNEY, JOHN A. MEAKIN, ALLAN G. *MERDIAN, BERTHA	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland District of Columbia Ohio Ohio Illinois
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Merkian, Bertha Merkick Manna	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland Linus Maryland Linus Linus
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Merkian, Bertha Merkick Manna	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland Linus Maryland Linus Linus
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances. Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Merrick, Manila *Metzerott, John Michelson, Bernadette S.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Ohio Illinois Jowa Maryland Maryland Maryland Maryland Maryland
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Metzerott, John Michelson, Bernadette S. Middlebrook, Cecula A. Middlebrook, Cecula A.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland Lowa Maryland
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES MAUL, SARAH E. MAWHINNEY, JOHN A. MEAKIN, ALLAN G. *MERDIAN, BERTHA MERRICK, MANILA *METZEROTT, JOHN MICHELSON, BERNADETTE S. MIDDLEBROOK, CECILIA A. MILLER, ODVER H.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Ohio Ohio Ilinois Iowa Maryland Maryland Maryland Maryland Maryland Maryland Maryland District of Columbia
MACKAY, MRS. ANNA M. S., Purdue University MAHONEY, JOHN MAKENS, ADELAIDE MANNING, J. RUEL A. B., Western Maryland College MARBURY, WILLIAM B. MARKS, FRANK H. MASON, MRS. EDITH E. MASON, LUCIUS RANDOLPH LL. B., George Washington University MASSEY, MARLE F. MATHENY, MARY FRANCES MAUL, SARAH E. MAWHINNEY, JOHN A. MEAKIN, ALLAN G. *MERDIAN, BERTHA MERRICK, MANILA *METZEROTT, JOHN MICHELSON, BERNADETTE S. MIDDLEBROOK, CECILIA A. MILLER, ODVER H.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Ohio Ohio Ilinois Iowa Maryland Maryland Maryland Maryland Maryland Maryland Maryland District of Columbia
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John. Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances. Maul, Sarah E. Mawhinney, John A. Mearian, Bertha. Merrick, Manila. *Metzerott, John. Michelson, Bernadette S. Middlehrook, Cecilia A. Muller, Odver H. Muller, Ralph F.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Maryland District of Columbia
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Merrick, Manila *Merzerott, John Michelson, Bernadette S. Middlebrook, Cecilia A. Miller, Odver H. Muller, Ralph F. Miller, Ralph F. Miller, Ralph F. Miller, Ralph F. Miller, Agnes J.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Maryland Maryla
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances. Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Merrick, Manila *Metzerott, John Michelson, Bernadette S. Middlebrook, Cecilia A. Miller, Odver H. Miller, Ralph F. Miller, Agnes J. Miner, Ethel G.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Ohio Illinois Iowa Maryland Colorado Obio
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Metzerott, John Michelson, Bernadette S. Middlehrook, Cecilia A. Miller, Odver H. Miller, Ralph F. Miller, Ralph F. Minner, Ethel G. Miner, Helen	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland Colorado Ohio Ohio Ohio Ohio
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Metzerott, John Michelson, Bernadette S. Middlehrook, Cecilia A. Miller, Odver H. Miller, Ralph F. Miller, Ralph F. Minner, Ethel G. Miner, Helen	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia District of Columbia Maryland Colorado Ohio Ohio Ohio Ohio
MACKAY, MRS. ANNA. M. S., Purdue University Mahoney, John Makens, Adelaide Manning, J. Ruel. A. B., Western Maryland College Marbury, William B. Marks, Frank H. Mason, Mrs. Edith E. Mason, Lucius Randolph. LL. B., George Washington University Massey, Marle F. Matheny, Mary Frances. Maul, Sarah E. Mawhinney, John A. Meakin, Allan G. *Merdian, Bertha Merrick, Manila *Metzerott, John Michelson, Bernadette S. Middlebrook, Cecilia A. Miller, Odver H. Miller, Ralph F. Miller, Agnes J. Miner, Ethel G.	Maryland Nebraska South Dakota Maryland Maryland District of Columbia District of Columbia District of Columbia Kansas Texas Maryland District of Columbia Ohio Illinois Iowa Maryland Maryland Maryland Texas District of Columbia Pennsylvania Colorado Ohio Ohio Alabama

MOORE, FRANK DEANE	Kentucky
MOORE, FRANK DEANE.	
A. B., George Washington Chiversity	
Moore, Goggin Emerson	District of Columbia
Moore, Mildred Josephine	Massachusetts
*Morris, Charles Scott *Morris, Mrs. M. T	District of Columbia
MOULTON, ETHEL L.	Mass
Mountes, Bennie A.	North Dakota
MOXNESS, BENNIE A. MULFORD, BESSIE BOYD.	New Jersey
	Maryland
A R I niversity of virginia	
Manual Timesery A	Virginia
MYERS, ALONZO F. MYERS, MYRON L.	. Maryland
Myers, Myron L. Nelson, Clarissa A.	North Dakota
Nelson, Clarissa A. Nelson, Loren E. Newcomer, Harry E.	Rhode Island
NELSON, LOREN E.	District of Columbia
NEWLOVE, IVADEL E	North Dakota
NEWLOVE, IVADEL E.	Illinois
NEWLOVE, MRS. MERLE WHITE	District of Columbia
NEWMAN, HARRY W	Maryland
O'CONNOR, H. J.	Mamiland
MOMILLONG TODAY	. U ca prossi
OLIVER ESTELLE	Texas
OLIVER, ESTELLE OLIVER, MAJOR FRED N	Texas
ORYNSKI, WANDA	Texas
PAZOUR, MARIE A	South Dakota
PECK, EILEEN	Rhode Island
PEIRCE, LOTTIE M PENCE, GRACE	West Virginia
PENCE, GRACE	Now York
PERLIN, HARRY	Colorado
PEDI OFFICE SAMETER	Colorado
Description Commence E	IVAZNI V IZBIICA
PHILIPS REDNHADOT	. District of Coldinate
PICKENS HODAGE D	IVI ISSISSI DIA
PLOYHAR, EFFIE I	North Dakota
Poindexter, Mattie	Kentucky
Deservices, MATTER	Mississippi
Polk, Irl	Donneylvania
PRENDERGAST, BERTHA M	Fellisylvaina
*Quinn, David Long	, . Maryland
Divingual Heren	HIIIIOIS
Discour Tinena D	District of Columns
RANDALL, BERNICE D.	District of Columbia
Transming Summon assessment of the state of	

Draw Carrey G	District of Columbia
REED, EDWIN CA. M., LL. B., George Washington	District of Columbia
A. M., LL. B., George washington	
University	District of Columbia
REED, FRED C.	
REED, MABEL C	
REED, MARGARET DAVIS	
REED, PAUL C	Louisiana
REESE, KATHRYN	Pennsylvania
REESE, VIRGINIA.	Maryland
REESE, WILLIAM E.	Louisiana
REEVE, FELICIA A	District of Columbia
REEVE, LAURA W	District of Columbia
REID, NEIL	North Dakota
REINBOTH, JOHN F.	Illinois
REITZEL, ALBERT E	North Carolina
RICHARDS, HELEN	. District of Columbia
RILEY, ALBERT A	
RING, GRETCHEN	District of Columbia
RINI, JEROME N.	District of Columbia
*RIORDAN, DAVID LOUIS	. District of Columbia
ROBERTS BESSIE M	Kansas
ROBERTSON, JEROME K. ROCKOW, LEWIS.	Texas
ROCKOW, LEWIS	. Wisconsin
A. B., George Washington University	*
Rodriguez, Harris J	Louisiana
ROSENBLATT, LOUIS	New York
*Rotzler, William Michael	. Utah
ROWLAND, M. ELSTON. RUNYAN, GRACE E.	Tennessee
RUNYAN, GRACE E	. Nebraska
RYAN, ALFRED E.	District of Columbia
RYAN, FANNIE M	. New Jersey
RYDER, JOSEPHINE	. Virginia
SAGE, LILLIAN W	. Maryland
SAGE, LORETTA F	. Michigan
SALZER, GEORGE W	. New York
A. B. George Washington University	
SANBORN, NORRIS H.	District of Columbia
DARGENT, ANNE M.	. Massachusetts
SCHELFEFFER, FRANK	Illinois
SCOTT, RALPH S.	Illinois
SCOTT, WALTER C., JR.	District of Columbia
SEE, ERNEST A	West Virginia
SELLARS, MRS. STELLA C.	Virginia
SHANDS, GEORGE K.	District of Columbia
SHAUGHNESSY, BERTINA	Illinois
SHEA, JAMES W.	District of Columbia
SHEPHERD, MARGUERITE	Arkansas
A. B. Virginia Interment College	
SHERRICK PEDUDEA	New York
DHOEMAKED MADE MEDGER	Marviand
SHORT ETTA ASSESS	South Dakota
SHORT, IDA ANTOINETTE	South Dakota
SKAPIAK, ANTHONY N	New York
SMITH, AUDIEW I.	Iowa
SMITH, BESS J.	Ohio
SMITH, BESS J. SMITH, MAURICE M.	Oklahoma
Sosomon, Bonnie	Illinois
,	

SPEAR ALBERT A	-
SPEAR, ALBERT A	District of Columbia
CALLED MARKET LA	Nonth C 1:
Or Onn, F. Alexander	T
EQUIRE, MIRS. MINNIE ()	District COLL 11
STEIN, JOSEPH.	. Georgia
STEWART, ELWINNA.	New York
STICKET LOTTE E	Ohio
STICKEL, JOHN F	District of Columbia
SIRAYER, WIRE, JEANNETTE R	New York
2. and 1. D., George Washington	2021
University	
SWAN, ALFRED LARSON.	3.61
SWEADINGER ANITA	Minnesota
SWEARINGER, ANITA	Indiana
SWETT, TREVOR W.	Massachusetts
2. D., Harvard University	
SWINSON, MARIE CLIFF.	Illinois
*TATE, ORLEY A.	Virginia
*Tate, Orley A Taylor, Jane	Tennessee
TAYLOR, JANE.	Pennsylvania
Temin, Morris. Thiesing, Theodore H.	. District of Columbia
THIESING, THEODORE H.	. New York
THOMPSON, DAVID G. A. B., Northwestern University; A. M., University of Illinois	Illinois
A. B., Northwestern University: A. M.	
University of Illinois	
	Th
*THOMPSON, HARRY W	. District of Columbia
2. 2., George Washington University	
THOMPSON, THOMAS C	Pennsylvania
*THORNTON, MAY A.	. virginia
Todd, Augustine J	Indiana
*Todd, L. J.	District of Columbia
TRACE STANFON I	. Ohio
TRACY, STANLEY J	. Utah
A D IV	. Texas
TRUSSELL, BRANDON. A. B., University of Texas	
CADERWOOD, WARY L.	District of Columbia
UNRUH, JUNE M.	
	L'amana
*VANDERMARK MAROPPRINTER	
*Vandermark, Marquerett	
	District of Columbia
*VENADED Down W	District of Columbia Pennsylvania
VAN NESS, ETHEL M*VENABLE, BEN. W	District of Columbia Pennsylvania
A. B., Hampdon-Sidney College	District of Columbia Pennsylvania New Jersey West Virginia
A. B., Hampden-Sidney College VESTAL, PALL W	District of Columbia Pennsylvania New Jersey West Virginia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS. WALKER, EFFIE L. WALL, MRS. LILLIAN T.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS WALLER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS WALLER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS WALKER, EPFIE L. WALLI, MRS. LILLIAN T. WALSH, HUMPHREY WALSH, J. BUTLER	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama District of Columbia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS. WALKER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY WALSH, J. BUTLER WALSH, JOHN BERNARD	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama District of Columbia District of Columbia
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VICKERS, ROSE M. VITALE, A. FRANCIS WALKER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY WALSH, J. BUTLER. WALSH, JOHN BERNARD. WARING, PAUL.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama District of Columbia District of Columbia Montana
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VICKERS, ROSE M. VITALE, A. FRANCIS WALKER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY WALSH, J. BUTLER. WALSH, JOHN BERNARD. WARING, PAUL.	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama District of Columbia District of Columbia Montana
A. B., Hampden-Sidney College VESTAL, PAUL W. VICKERS, ROSE M. VITALE, A. FRANCIS. WALKER, EFFIE L. WALL, MRS. LILLIAN T. WALSH, HUMPHREY WALSH, J. BUTLER WALSH, JOHN BERNARD	District of Columbia Pennsylvania New Jersey West Virginia District of Columbia District of Columbia Mississippi Mississippi Alabama District of Columbia District of Columbia Montana

THE PERSON NAMED IN

WEBER, ELSA	NT 41 C
*Welty, Lucy.	T 1:
WENDT, ROBERT H.	*
WESLEY, GENEVIEVE	lowa
WHEATLEY, MARY E.	lowa
WHITE HELEN M	Virginia
WHITE, HELEN M WHITE, ROBERTA G.	District of Columbia
WHITE, ROBERTA G	Maryland
The state of the s	North Carolina
WHYTE, EUNICE. WILGUS, FILMORA	District of Columbia
WILLIAMS FILMORA.	Ohio
WILLIAMS, FELICIA. A. B., Florida State College	Florida
WILLIAMSON, MARGARET	Virginia
WILSON, HERBERT.	Tennessee
	Pennsylvania
B. S. in M. E., George Washington University	
*WINSTANGEN A. M.	
*Winsjansen, Alma M Wolman, Rena	Michigan
WOLMAN, RENA.	Maryland
WRIGHT, MARION L YAGLE, IRMA G	District of Columbia
YAGLE, IRMA G	Alabama
	North Dakota
ZEPP, EDWARD F	. Delaware

SUMMARY

Graduate Students

Graduate Students	
Students in attendance	
Condidates for S.M. Degree	
Candidates for A.M Degree	
Candidates for Ph.D Degree	
Candidates for C.E. Degree	
Candidates for M.E. Degree	
Cinidados	205
UNDERGRADUATE STUDENTS	
Columbian College	
Candidates for A.B. Degree	
Candidates for B.S. in Med. Degree	
Des Medical S.	
Special	
Special	- 1890
College of Engineering	
Candidates for B.S. in Arch. Degree	
Candidates for B.S. in Chemistry Degree	1
Candidates for B.S. in Ch.E. Degree	5
Candidates for B.S. in C.E. Degree	
Candidates for B.S. in M.E. Degree.	5
Candidates for B.S. in E. E. Degree	
Special	3 1
Special	- 530
Teachers College	
Candidates for A.B. and Teacher's Diploma	
Special 3	
	_ 335
Professional Schools	007.00
Medical School	7 13.0
Dental School	4
School of Pharmacy	9
Law School	2
Law School	- 952
Total	3912
Duplicates	30
Duplicates	
	3882
SUMMER SCHOOL 1919	
Summer School, Arts and Sciences 46	1
Summer School, Law	7
Summer School, Law	668

MEDICAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

An asterisk (*) before a name indicates student not in attendance through the year

FI				

E.	IRSI IDAK	
Bourstin, William	(N. Y.)	1006 M St. N. W.
Brown, Radford	(D. C.)	Apt. 4, The Ashley
Dean, Benjamin F. Jr.	(D. C.)	916 Mass. Ave.
Deep, Anthony Abraham	(D. C.)	800 9th St.
Earnest, John Paul, Jr.	(D. C.)	2123 N St.
French, Leslie Howson	(Pa.)	1320 Belmont St.
Harnsberger, Chas. WHITFIELD	Va.)	(Whitfield, R. F. D. No. 1,
		Rosslyn, Va
*Henderson, I. Parnell	(Ga.)	7 Iowa Circle, Apt. 31
Hodgkins, Bradley D.	(D. C.)	1623 R St.
Hicks, Braxton	(Mich.)	1335 H St. N. W.
Horwitz, Alec	(D. C.)	916 41 St. S. W.
*Martinez, Mercedes	(P. R.)	4518 Ga. Ave.
McClosky, William T.	(D. C.)	Apt. 5, 2205 Champlain St.
McChesney, Frank Marks	(D. C.)	129 Randolph Pl.
McGrath, Robert	(Ill.)	1339 H St. N. W.
Moody, Terrell, A. B.	(Ga.)	13 P St. N. E.
Matthews, Wm. Edward, Jr.	(Md.)	2017 H St.
Poster, Russell, H.	(Pa.)	419 N. Y. Ave.
*Preston, Williard F.	(Del.)	1335 H St.
Rechman, Benjamin	(N. Y.)	1410 Crittenden St.
Stuart, Majorie Shaw	(D. C.)	1315 12th St.
Skoretzky, Irving Daniel	(N. Y.)	306 M St.
Schwartz, Abraham T.	(D. C.)	1867 California St.
Wanlass, Stanley A., A. B.	(Utah)	3rd and E. Cap. St. Calu-
		met Apt.

^{*}Wandalowski, Seraphim C. (Pa.)

SECOND YEAR

	SECOND IEAR	
Cole, Hazen Eugene	(D. C.)	639 East Capitol St.
Cudney, Ethan B.	(Mich.)	2823 14th St.
Davis, Joshua William	(Pa.)	2032 F St. N. W.
Gaines, John Marshall	(Va.)	Alexandria, Va.
Gates, Herbert Stelwyn	(D. C.)	808 N. C. Ave. S. E.
Goldfain, Samuel	(Colo.)	1115 5th St. N. W.
Goldstein, Eli	(N. Y.)	306 M St. N. W.
Jacobs, Isidore Wm.	(N. Y.)	306 M St. N. W.
Jones, Robert Varnum	(Mich.)	2448 18th St.
Kain, Helen Gladys	(D. C.)	129 E St., N. W.

Loth, Mathilde Peterson, Norman Vern	(N. Y.) (Utah)	2123 18th St. N. W. The Calumet, 3rd and East Cap. St.
Nordlinger, George	(D. C.)	3113 N St. N. W.
Reed, John Alton	(D. C.)	522 6th St. N. W.
Sager, Wm. Warren	(D. C.)	2823 14th St.
*Simonetti, Amalia Julia	(N. Y.)	101 N. Car. Ave. S. E.
Taylor, Robert Mitchell	(D. C.)	607 N. Car. Ave. S. E
Weinstein, William	(N. Y.)	1320 L St. N. W.

THIRD YEAR

Alpert, Meyer Louis	(Conn.)	1118 13th St.
Beck, Richmond J.	(Wisconsin)	801 B St. S. E.
Bowen, Wilbur L.	(Va.)	1654 Hobart St.
*Bradley, Grover O., A. B.	(Utah)	1336 8th St.
Brooke, Deane F.	(N. D.)	3304 Holmead Pl.
Brenes, Alfred M.	(C. A,)	1115 Eye St.
Cadilla, Arturo	(P. R.)	919 Eye St.
Castro, Herman Rawson	(C. A.)	1115 Eye St.
Demopoulos, Christos J.	(Greece)	800 K St. N. W.
Dubrowsky, Jakov Leib	(S. C.)	1305 H St.
Dunsky, Frank	(N. Y.)	1118 13th St.
Eisinger, Walter Geo. Jr.	(D. C.)	3503 Wis. Ave.
Epstein, Nathan Joshua	(D. C.)	946 R. I. Ave.
Fischer, Aubrey David	(D. C.)	1744 Lanier Pl.
Franke, Frederick Arnold, B. S.	(Utah)	1242 Evart St. N. E.
Glenn, Joseph Burton	(D. C.)	1436 Meridian Pl.
Grozin, Maurice, A. B.	(Ohio)	1305 H St.
Guynn, Ray Frederick	(Va.)	1322 Vt. Ave.
Herzmark, Maurice H., A.B.	(D. C.)	1631 Newton St.
Hopkins, Ira Jay, A. B.	(Utah)	115 Second St. N. E.
Ibrahim, Abd El Malik	(Egypt)	1334 11th St.
Johnson, Regena Cook	(Md.)	1814 G St.
Jones, Waldo Hilman	(La.)	3625 10th St.
Khan, Mirza Mahmood, B. S.	(Persia)	
Machlan, Harold Foor	(D. C.)	Takoma Park, D. C.
Marchena, Ricardo, B. A.	(Costa Rica)	927 N. Y. Ave.
Masson, Clement Buchanan	(N. Y.)	1320 12th St.
Millan, Lyle Jordon	(Va.)	1320 12th St.
Ney, Thomas Joseph	(R. I.)	1223 13th St.
Renner, Morris J.	(N. Y.)	1118 13th St.
Robinson, Wilfred J.	(Conn.)	1220 12th St.
Sano, Kaninosuke	(Japan)	3503 Wisconsin Ave.
Scott, James M., B. S.	(Kansas)	221 1st St. S. E.
	,	

Schultz, Charles Hamilton	(Pa.)	1322 Vt. Ave.
Sesta, Joseph, Ph.G., Ph.C.	(N. Y.)	707 22nd St. N. W.
Slutsky, Benjamin Lloyd	(Conn.)	1209 K St.
Sonneland, Sidney Gaylord	(Neb.)	1322 Vt. Ave.
Strongin, Herman F., Ph.G.,	(Conn.)	1736 G St.
Ph. C.		
Tibbets, Lyman Brooke, Ph.D	(D. C.)	1636 17th St.
Williamson, Frederick Yates,	(N. C.)	1335 Vt. Ave.
Phar. D.		

FOURTH YEAR

FC	OKIH ILAN	
Baker, Wallace Bruce	(D. C.)	326 F St. N. E.
Beachley, Ralph Gregory	(Md.)	1335 Vt. Ave.
Bland, William Marshall	(Va.)	University Hospital
Bradley, Everett Lamont, A. B	. (D. C.)	Falkstone Cts.
Crespo, Jose Eusebio	(P. R.)	1115 I St.
Dazey, George Kendal	(Texas)	1322 Vt. Ave.
Duffie, Don Hastings	(D. C.)	Flower Ave., Takoma Pk.
Freeland, Fred Bernard	(Wash.)	1814 G St. N. W.
Goodman, Wm. Dennis	(Va.)	Emergency Hospital
Griffith, Harold Moore	(Pa.)	Garfield Memorial Hosp.
Hayes, Thomas Hirst	(Va.)	307 S. Lee St. Alex. Va.
Hollingsworth, Russell Kuhner	(D. C.)	1364 Girard St.
Hollander, Ben	(Cal.)	University Hospital
Howe, Julian Menzo	(D. C.)	47 Carroll St., Takoma Pk.
King, Charlton Roper	(Mass.)	1204 M St.
Klemme, Roland Metzler	(Ill.)	1116 R. I. Ave.
Li, Kang	(China)	2014 Kalorama Rd.
Litvak, Abraham Myer, Ph. G.	(N. Y.)	1335 Vt. Ave.
Mandelos, Nicholas A.	(Greece)	811 14th St.
McKenzie, John Ernest	(S. C.)	Wash. Asylum Hosp.
*Munoz, Roque Narcisus A.	(Honduras)	1115 I St. N. W.
Newcomer, Emmet Emerson	(Pa.)	Garfield Hosp.
Phillips, John William	(N. C.)	1335 Vt. Ave.
Pitt, William Franklin, A. B.	(N. C.)	3453 14th St.
Ramsey, Herbert Percey, A. B.	(D. C.)	813 Mass. Ave. N. E.
Scala, Norman Philip	(D. C.)	918 South C. Ave. S. E.
Stibbs, Henry Weston Barnum	(N. Y.)	University Hospital
Stultz, Alvin Dey, A. B.	(N. J.)	817 13th St.
Thompson, Thomas Carlton	(Pa.)	Emergency Hospital
William, Frank Louis	(D. C.)	308 Kenois Bldg.
Zerbe, Jack Bertolette	(Va.)	Garfield Hospital

DENTAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF DENTAL SURGERY

FIRST YEAR CLASS

1919-20

*Arbeely, Theodore Paul	D. C.	1439 U St. N. W.
Brashears, Wm. N.	Calif.	2006 F St. N. W.
BRICKNER, LOTTIE	N. Y.	1323 10th St. N. W.
Brennan, John E.	Mass.	1017 K St. N. W.
BUTTS, CHARLES S.	D. C.	Bancroft Hotel
CHADWICK, SAM W.	D. C.	819 C St. S. W.
CORNELISON, ORPHA	D. C.	Apt. 1, 2633 Adams Mill Road
Cox, Julius Murray	S. C.	940 N. Y. Ave.
DORTON, VIRGIL J.	Utah	Apt. 24, The Roland, 2d and
Donatos, Vandab C.	0 11111	Md. Ave. N. E.
GOLDSTEIN, JOSEPH	D. C.	917 4½ St. S. W.
HANCHETT, AMBROSE	Utah	113 Md. Ave. N. E.
HESTER, E. L. D.	N. J.	The Chastleton, 16th and
and an		R Sts. N. W.
HOROWITZ, MORRIS M.	D. C.	4129 9th St. N. W.
HUGULEY, HERBERT T.	Texas	George Washington Inn
HUSCHKA, LOUIS E.	N. Dak.	1012 10th St.
JOHANNESSEN, WILFORD N.	Idaho	647 Md. Ave. N. E.
KAPLAN, HARRY	D. C.	1461 Monroe St.
MOULTON, OVA L.	III.	1203 W. Main St., Morrison,
Modelon, Ova 11.	441.	Ill.
*Myers, John H.	D. C.	724 10th St.
Rosen, Jacob	D. C.	138 V St. N. W.
*RHODES, OTIS WILES	Md.	418 12th St. N. W.
Wasserberg, Irving	N. Y.	1132 7th St. N. W.
	Pa.	1810 Calvert St. N. W.
Young, George Washington	I th.	1010 Carvero St. 14. W.

SECOND YEAR

ARENDS, FREDERICK LOUIS	Mich.	1005 E St. N. E.
BARNHARD, JAMES L.	D. C.	1225 N. Y. Ave.
BLANK, SAMUEL H.	N. J.	504 Walnut St. Camden, N. J.
BONNETT, JOHN A.	Ohio	Huron, Ohio
CHASE, WM.	D. C.	710 14th St. N. W.
CHRISTOPHERSON, ALVIN R.	D. C.	Hotel Hamilton, 14th and
		K Sts.
DETWEILER, DANIEL L.	Va.	Herndon, Va.
FARIS, JAMES B.	D. C.	31 Bryant St. N. W.
GLEW, DON H.	D. C.	1008 Euclid St.
LEWIS, WM. E.	D. C.	1617 Irving St. N. E.
Wolf, Morris	D. C.	2333 Ashmead Place

1777) - X

THIRD YEAR

BURKE, WM. F.	Mass.	7 Clinton St., Amesbury, Mass.
Byer, Nathan	N. J.	912 14th St. N. W.
Company W.		123 N. W. Temple St., Salt
COWLEY, WM.	Utah	Lake City, Utah
DOYLE, D. E.	Mass.	1209 K St. N. W.
GATES, THOMAS D.	D. C.	808 N. C. Ave. S. E.
GARCIA, F. G.	P. R.	42 Munoz Rivera St., Rio
and a second		Pedras, Porto Rico
GRAY, MARION H.	D. C.	20 E. Braniard St., Pensa-
GRAI, MARION II.	22. 0	cola. Fla.
HAMMOND, BENNET	Pa.	1845 Monroe St.
	Mass.	1209 K St. N. W.
ISSERLIS, SIMON		
JONES, CYRIL	N. Y.	1209 K St. N. W.
Long, Philip	N. H.	2514 13th St.
Leifer, Edward D.	N. Y.	1411 Harvard St.
LUBORE, JACOB	D. C.	1200 T St.
Moore, WM. S.	N. Y.	1749 2d St. N. W.
Notes, Louis	D. C.	302 M St. N. W.
ROLAND, DANIEL L.	Pa.	1433 Muhlenberry St., Read-
and an analysis and		ing, Pa.
SLIFKIN, LOUIS B.	N. J.	332 Franklin St., Bloom-
		field, N. J.
THEMPER, JOSEPH	Conn.	2413 2d St. N. E.
VOELKER, JOSEPH WM.	Va.	1541 8th St. N. W.

FOURTH YEAR

CHIGER, MARIAN	N. J.	40 N. Y. Ave.
COHEN, FRANK J.	Mass.	809 12th St.
CONE, NATHAN	N. J.	715 R. I. Ave.
FRANK, EARL BENNETT	R. I.	1224 Mass. Ave.
HOLSTEIN, DAVID	N. J.	1105 6th St. N. W
JESKOWITZ, FRANCES R.	N. Y.	40 N. Y. Ave.
MARCUS, CALLIE KALMAN	N. J.	1105 6th St.
MARR, WM. W.	D. C.	1815 Vernon St.
OLINGER, MAURICE ROBERT	N. J.	715 R. I. Ave.
SILBERBERG, SAMUEL S.	N. J	715 R. I. Ave.
SILBERBERG, MORRIS	N. J.	715 R. I. Ave.
Solow, Leo	N. Y.	715 R. I. Ave.
SWANSON, HENRY ALBERT	N Dak.	1319 C St. N. E.
WEBER, LOUIS M.	N. J.	715 R. I. Ave.
" EDER, 130018 WI.	21. 0.	

*Not in attendance throughout year.

STUDENTS ENROLLED IN THE COLLEGE OF PHARMACY, 1910-20

LYNCH, MARCUS FILLMORE .	D. C.	128 E Cap. St.
NICHOLSON, MARGARET M.	Va.	1000 Md. Ave. N. E.
NATHANSON, ESTHER	Russia	134 31st St., Newport News, Va.
PARKER, CLARENCE WALTER	D. C.	933 N St. N. W.
SUMMERS, CHARLES WINGATE	Va.	901½ Duke St., Alexandria, Va.
WILSON, DANIEL A.	Va.	1208 15th St. N. W.
WARFIELD, EDGAR ASHBY	Va.	119 Walnut St. Alexandria, Va.
Warfield, Vernon Norwood	Va.	220 S. Fairfax St., Alexandria, Va.
WARD, IDA CECILIA	Pa.	13 N. Washington St., Wilkes-Barre, Pa.

STUDENTS REGISTERED IN THE LAW SCHOOL

1919-1920

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 2, 1920, by daggers.

Students who are college graduates are indicated by the degree, year in which it was received, and name of college conferring it.

Students who have had only part of a college course are indicated by the names of the colleges attended.

CANDIDATES FOR DEGREE OF BACHELOR OF LAWS

FIRST YEAR CLASS

	Legal	4.11
Name	Residence	Address
Adams, Leslie Harold	D. C.	1637 Harvard Terrace
George Washington University	У	
ALMIRANES, SILVERIO	D. T	1635 L St. N. W.
PASATIENYSO	P. I.	732 21st St. W.
Anderson, Lionel Glenn	D. C. R. I.	1769 Columbia Rd.
ANDERTON, ROBERT HYDE	п. 1.	1709 Columbia 1ed.
B.S., 1916, Dartsmouth		
College; C.E., 1917, Thayer		
School of Civil Engineering	Ga.	1313 K St. N. W.
ANTHONY, JESSE	C33	939 K St.
ARMSTRONG, JASPER HENDERSON ASH, RAY	W. Va.	1903 H St. N. W.
A.B., 1918, West Virginia		
University		
†ATKINS, JULIA SPENCER	N. C.	1236 Columbia Road
ATWOOD, ELISE LINCOLN	Mass.	505 Randolph St.
†Audas, Edith Ruth	N. Y.	3444 Mt. Pleasant St.
A.B., 1915, Syracuse Universit	V	
BAILEY, GEORGE RANEY	Fla.	221 East Capitol St.
A.B., 1918, University of		
Florida		and soul On N. W.
BALLANO, MARCUS M.	P. I.	912 19th St. N. W.
BANNISTER, DEVILLO ANDREW	S. Dak.	1719 Corcoran St.
State University of Iowa	**	1041 1841 St
*BARGER, CORINNE	Va.	1841 16th St. 218 8th St. S. E.
BARKMAN, WILLIAM E.	D. C.	309 New Jersey Avenue S. E.
BARLOW, ALFRED M.	Ohio	July Men Jelsey Michael D. 11.
Ohio University; Rio Grande		
College	R. I.	U. S. Patent Office
†BARLOW, HERBERT BOUTWELL	D. C.	2024 N St.
*BARNARD, PHILIP ESSERY Exeter College, Oxford,	D. C.	
England; The Inner Temple,		
London, England		
*BAUER, EMMERICH HENRY	Md.	Rockville, Md.
BAUGHMAN, THOMAS FRANK	D. C.	1330 Massachusetts Ave.
George Washington University		
BEALL, DOROTHY JOYCE	D. C.	73 You St.
	Town III	

	7 7	
Name h	Legal Residence	Address
BEALL, THOMAS EMMERT	D. C.	3607 Newark St.
BEHNE, JOE CARROL	Okla.	Y. M. C. A.
Oklahoma University		
†BEHNE, TOM DARL	Okla.	Y. M. C. A.
Oklahoma University		4 MO A TO CHA BY SET
†BELDEN, LILLIAN CATHARINE	Ohio	1736 F St. N. W.
Ph. B., 1913, Hiram College	D.C	II C Detent () Goo
BENHAM, EDWARD VAUGHAN	D. C.	U. S. Patent Office
George Washington University		
Catholic University of America	Wis.	The Woodworth
Berg, Casper Robert University of Wisconsin	** 2554	110 11 01/101/101
BERRY, SYDNEY GRISWOLD	N. J.	U. S. Patent Office
Ch. E., 1916, Columbia		
University		
†BINGAMAN, CLARA MERRICK	Iowa	1647 Lamont St.
BLACK, SERANUS LEONARD	Okla.	1100 Vermont Avenue
BLACKBURN, FELIX EDWARD, JR.		1530 K St. N. W.
BLADEN, ASHBY E.	Va.	219 N. St. Asaph St.
George Washington University	D. C.	Alexandria, Va. 1408 6th St. N. W.
BLANKEN, DAVID George Washington University	D. C.	1408 Util St. IV.
	Iowa	1330 13th St. N. W.
BOSWORTH, EDWIN CARPENTER	Md.	1004 F St. N. W.
Ph. B., 1911, Brown University		10011 00111111
BOTELER, CHARLES M.	D. C.	616 North Carolina Ave. S. E.
George Washington University	2.0.	0101101101
BRACHLOW, WILLARD HAYDEN	Minn.	Y. M. C. A.
BRAHAM, WILLIAM WALTER	Pa.	34 Cedar St. Takoma Park
A. B., Westminster College		
BRANDENBURG, MILLSON FRED'K	D. C.	Fendall Building
*Brawner, Elwin Irving	Va.	6 Dupont Circle
George Washington University		
†Brown, Virginia May	Ala.	608 Mass. Avenue, N. E.
Columbia Institute; Hollins		
College		
BURDICK, ROBERT CORTEZ	Ala.	1751 P St. N. W.
A. B., Univ. of Chattanooga		OUT IN LOUIS TO TO
Burns, James Alexander	D. C.	217 13th St. S. E.
BURRIS, EVAN WEISINGER	Texas	George Washington Hotel
Southwestern University	3.5	1707 Connections Asso N W
Busch, Howard G.	Mo.	1725 Connecticut Ave., N. W.
BUSH, IDA LILLIAN	III. Vt.	36 W St. N. W. Y. M. C. A.
BUTLER, AARON PRENTISS B. S., 1918, University of	V 6.	1. M. C. A.
Vermont Vermont		
*BUTLER, JAMES ALVA	D. C.	207 C St. N. W.
BUTLER, MARION, JR.	N. C.	1333 15th St. N. W.
George Washington University	2.7. Aut.	
*CALDWELL, MATTIE BELLE	Ala.	Apt. 41, The Cumberland
CALLAHAN, MILDRED RUBERTA	Va.	213 South Fairfax St.
A. B., 1919, George Washington		Alexandria, Va.
University		
†Canning, Harold Francis	Me.	1415 N St. N. W.

STUDENTS

The state of

	7 7	
Mana	Legal Residence	Address
	Ill.	1100 Vermont Avenue
†CANTRELL, TILMAN BETHEL University of Illinois	111.	1100 Vermone 21Vende
CAREY, ALFRED BRADLEY	Del.	House Office Building
A. B., Delaware College	Miss.	1314 L St.
CARLOSS, HELEN R. *CARLSON, KNUTE EMIL	D. C.	611 B St. N. E.
A. B., 1915, A. M., 1917,		
University of Nebraska; Ph. D.	,	
1919, University of		
Pennsylvania	433 *	400F T" - 674
CARNES, CAREY W.	Ohio	1805 Kenyon St.
CARRIG, ROBERT FRANCIS	Conn.	1336 Eye St. 1878 Phelps Place
Casey, Rosella	R. I.	1878 Therps I face
George Washington University †CHANDLER, CYRIL C.	Ga.	1736 G St. N. W.
*CHAPIN, CHARLES DOUGLAS	D. C.	1801 16th St.
Yale University		
CHEBITHES, VASILIOS ISADORE	Ky.	Y. M. C. A.
A. B., Centre College of		
Kentucky	Nº 1	4440 Wangan Asso
*CHESNEY, LEE ROY	Neb.	4440 Kansas Ave.
†Churchill, Virginia	Mo.	R. 330, N-O Bldg.,
Harrison		Government Hotels
†CLARK, MARION MAYBELLE	Conn	1314 11th St. N. W.
CLEVELAND, WASHINGTON IRVING	Md.	Kensington, Md.
University of Wisconsin		
CLOUGH, CECIL EDWARD	N. H.	Walter Reed Hospital
Boston University; New		
Hampshire College		
†Cochran, Lewis Means	S. C.	15 S St. N. W.
B. S. South Carolina Military		
College		D: 44 II C Datant
COE, CONWAY PEYTON	Md.	Div. 11, U. S. Patent
A. B., Randolph Macon	N* 7	Office
COHEN, CHARLES ABRAHAM	N. J.	3031 11th St.
Dickinson College	111.	R. 111, G-H Bldg.,
*Cohn, Hermione W.	111.	Government Hotels
A. B., 1918, University of Michigan		001011111111111111111111111111111111111
*Colbert, Mary Adeline	Ind.	1024 Vermont Avenue
Collings, Kenneth Brown	Va.	1200 18th St. N. W.
George Washington University		
†Collins, Alvin Bruce	Va.	2028 North Capitol St.
CONE, NAOMI GREENE	Tex.	Apt. 7, The Carlton 1510 R St. N. W.
CONWAY, MARCELL	D. C.	
TCONWELL, DONALD ELMER	Okla.	1811 3d St. N. E. 1401 Columbia Road
COOKE, MARY REBECCA	Cal.	8 Walnut St. Clarendon, Va
Cooley, James Paschel	Va.	o wante bt. Clarendon, va
University of Virginia	Me.	2120 G St. N. W.
*Coombs, Walter Edward Corbitt, Jesse G.	Ala.	1100 Vermont Avenue
Alabama Polytechnic Institute	2.4.6.0	
CORNELL, RALPH G.	N. Y.	1227 11th St. N. W.
titul II Ci		

*fattanti

	Legal	4.3.3
	Residence	Address
COVINGTON, MARY SIMMONS	N. C.	A-B Bldg., Government Hotels
Con Innove Postworn	Md.	1736 G St. N. W.
Cox, Jerome Rockhold A. B., Western Maryland Colle		1100 G Du 211 111
CRAMMOND, EARLE D.	D. C.	714 21st St. N. W.
Colgate University		
*CRANE, WILLED STEVEN	III.	208 13th St. N. E.
B. S. in E. E., 1913, Carnegie		
Institute of Technology	**	YY 4 3 C4 46 3
*Cross, James Garland	Va.	Hotel Stratford
*DAGLEY, RUBY	Ky.	610 Randolph St. N. W.
M. A. Transylvania College Daily, Allan Frederick	Utah	1427 21st St. N. W.
DAILY, JOHN RYAN	Ill.	6703 Georgia Avenue,
Bradley Polytechnic		Takoma Park, D. C.
Institute		
DANIS, RAYMOND SMITH	D. C.	30 9th St. S. E.
DAUGHERTY, DUNCAN WILMER	W. Va.	1422 11th St. N. W.
*Davis, James Hugh	D. C.	3733 Jenifer St. N. W.
University of Georgia	DC	1760 Columbia Dood
DAVIS, NATHANIEL PENISTONE	D. C.	1769 Columbia Road
A. B., 1916, Princeton Universit	Pa.	1007 Douglas St. N. E.
DAY, SARA MILLIGAN Syracuse University	I do.	1001 Douglas St. 11. 13.
DEE, JESSICA	Mass.	1712 17th St. N. W.
A. B., 1916, Wellesley College		
*DEFREES, RAYMOND GARFIELD	D. C.	2425 North Capitol St.
George Washington University		
DER BEDROSIAN, CHARLES	N. J.	419 Y. M. C. A.
*DETWILER, CHARLES PHILIP	D. C.	1858 California St.
DIAZ, BENITO DACANAY	P. I.	514 E St. N. W.
DIESERUD, HELGE	D. C.	216 Maryland Avenue, N. E.
CHRISTOPHER B. S. in M. E., 1918, University		210 Maryland Avenue, 21. 23.
of Illinois	7	
*DIETZ, JOSEPH MARTIN	D. C.	4009 Marlboro Place, N. W.
Denver University;		
George Washington University		
*DIPPERY, ALMA GEORGIANA	Ala.	1763 P St. N. W.
DODD, ALICE MARY	N. Y.	3420 13th St. N. W.
DODD, ESTHER ELIZABETH	N. Y.	3420 13th St. N. W.
Dodson, Frederick William	D. C.	1319 N St. N. W.
B. S. in Chem., Massachusetts Institute of		
Technology		
DOHERTY, EMMETT EDWARD	Mont.	1333 15th St.
DOLBY, BIRD HAGEN	D. C.	28 Seaton Place, N. W.
DOREMUS, ROBERT ELLSWORTH	Mich.	2802 Wisconsin Avenue
DOWELL, MARIE LOUISE	D. C.	3026 Newark St.
A. B., 1919, Goucher College	777	IN A COL N IV
*DOXTATER, JACOB HARRISON	Wis.	1741 G St. N. W.
DUFFY, GERALD EUGENE	Pa.	Beacon Apartments, Calvert
DUNCAN, JAMES REESE	Va.	Street 2034 G St. N. W.
TOTAL DESIGNATION ACCUMENTS	V Cb.	2001 C Dt. 21. 11.

A CONTRACTOR

37	Legal	Address
Name	Residence	1010 K St.
DUNKER, WILL FRANK	Iowa	609 H St.
DWORKIN, MEYER	Conn.	2515 University Place
EARLEY, MARGARET MARY	N. H.	2010 Omversity Luce
University of Vermont	La.	2140 N St. N. W.
EATMAN, PHELAN WILLIAMS	Ill.	1446 Harvard St.
†Eden, Fred J.		1446 Harvard St.
†EDEN, SIEVERDENA HARMEL	III.	2511 14th St. N. W.
EDWARDS, JOHN JAMES	Tenn.	515 6th St. N. E.
EDWARDS, ROBERT YARRINGTON	Ill.	313 Oth St. 14. 12.
University of Illinois	Amla	1422 11th St. N. W.
ELLIOTT, ELMER ADLAI	Ark.	2232 Cathedral Avenue
*EMERY, GUSTAV HAROLD	D. C.	2252 Cathedral Avenue
Worcester Polytechnic		
Institute; George Washington		
University	***	1000 T C4 N W
ENGELHART, GEORGE KEMP	III.	1322 L St. N. W.
*Engleman, Inving Howard	D. C.	2018 Eye St. N. W.
ENNEN, MIRIAM VIRGINIA	Md.	Riverdale, Md.
ESPEY, HENRY CLAY	D. C.	51 Adams St. N. W.
ESPEY, HOWARD HAMILTON	D. C.	2010 1st St. N. W.
George Washington University	7	
*FISHBACK, CLIFFORD	200	1970 Fannon St
LINCOLN	D. C.	1372 Kenyon St.
University of Pennsylvania	D 0	I J Office Building
*FITCH, BURDETTE M.	D. C.	Land Office Building
_ University of Kansas	27 /3	1400 C C4 N F
FOGLE, CHARLES DENT	D. C.	1428 C St. N. E.
TFOOTE, ELSIE LANGWORTHY	Vt.	20th and S Sts. N. W.
A. B., 1918, Middlebury Colleg	e	ALLO TO GA NY W
FORBES, WILLIAM HENRY	Mass.	1416 K St. N. W.
FRANKLIN, NEAL DOW	Md.	734 15th St. N. W.
FRIEDMAN, SAMUEL AARON	N. Y.	1416 9th St. N. W.
FULLER, LORA COLE	la.	1912 Irving St. N. E.
A. B., 1919, State University		
_ of Iowa		THE CAME AND TO
FURLOW, GEORGE WILLARD	Minn.	218 2d St. N. E.
University of Michigan		or a v 1 Allemente
GATCH, THOMAS LEIGH	Md.	Care of Judge Advocate
Grad., 1912, U. S. Naval		General, Navy Department
Academy		TO DO NO EL
GEDIMAN, HERBERT WILLIAM	Mass.	48 R St. N. E.
GIBSON, JONATHAN CATLETT	Va.	3317 N St. N. W.
GLASS, DAVID ROSE	Cal.	4281/2 M St. N. W.
GLASS, JOHN DUEL	D. C.	700 10th St. N. E.
University of Kansas		
*GOLEY, LAWRENCE L.	III.	23 8th St. S. E.
GONDRA, MANUEL	Paraguay	2172 Wyoming Avenue, N. W
*GONDRA, MANUEL GORMAN, LOIS GATES	Pa.	1807 California St.
GRAHAM, JACK EDWARD	Okla.	1300 Massachusetts Avenue
GRANTHAM, DANIEL L.	D. C.	R. 469, House Office Bldg.
University of Georgia		AND WE ON BY MET
GREENE, ADELBERT JAY	Nev.	1219 K St. N. W.
A. B., University of Colorado		

	Legal	
Name	Residence	Address
GREENE, ALDIE ROSS	Mich.	Div. 32, U. S. Patent Office
A. B., 1910, Albion College,		
Albion, Mich.	NT TO	2210 California St
GRONNA, ARTHUR JACKSON	N. D.	2219 California St.
George Washington Universit	Minn.	655 G St. N. E.
GRONVALL, WALTER ROY	Pa.	Walter Reed Hospital
Guiher, James Morford	ra.	Takoma Park, D. C.
University of West Virginia		Taronia Tara, D. O.
GUINTHER, PAUL JACOB	Pa.	1489 Newton St.
A. B., 1913, Albright College	A 601	2200 21011 0011
HAGAMAN, FRANK LESLIE	Kans.	Walter Reed Hospital
University of Kansas		Takoma Park, D. C.
HALE, RALPH COCHRAN	Tenn.	125 6th St. N. E.
HAMRICK, MAYMIE HERBERT	W. Va.	509 11th St. N. W.
*HANCOCK, MYRTLE INA	N. Y.	The Ethelhurst, 15th and
B. S., Columbia University		L Streets
HARDY, FRANKLIN EARL	N. Y.	1222 Irving St. N. W.
Union College, Schenectady,		
N. Y.	77	CAR CLOS NY TO
HARLAN, JOHN GRAYDON	Pa.	647a G St. N. E.
University of Pittsburgh	D 0	1000 37
HARRAH, EUGENE BENJAMIN	D. C.	1653 Newton St.
University of Pennsylvania	011	D
HARRIS, WILLIAM DELAWARE	Ohio	Department of Justice
A. B., Miami University	011	7 m D (
†HARTMAN, JOE	Ohio	Income Tax Dept.
†HARVEY, JACK DENNISON	Conn.	3303 O St. N. W.
Rhode Island State College	4.1	1007 C CL 31 31
*HATCHER, JAMES CHANDLER	Ala.	1907 G St. N. W.
Birmingham College; George		
Washington University	7.1-1	1100 V Amonus
HAWLEY, HARRY REGAN	Idaho	1100 Vermont Avenue
University of Idaho	A - 1	1744 Diam Dlass N W
HAYS, LAWRENCE BROOKS	Ark.	1744 Riggs Place, N. W.
A. B., 1919, University of		
Arkansas	Miss.	2131 F St.
HENSON, EDWARD NEWELL	W1188.	2101 F St.
B. S., 1914, A. M., 1917, Mississippi College		
*HERRMAN, JOHN THEODORE	Mich.	1842 Calvert St.
HILLIARD, BENJAMIN CLARK,	MICH.	1842 Carvert St.
JR.	Colo.	1422 Massachusetts Avenue
State University of Iowa	COIO.	1122 Massachaseus
*HINCKLEY, HEBER GRANT	Utah	751 Fairmont St. N. W.
HINDS, EUGENE REED	S. Dak.	817 13th St. N. W.
HIXSON, WILLIAM ALPHONZO	D. C.	624 Irving St. N. W.
†HOADLEY, MAUD ELIZABETH	Ore.	Wardman Park Hotel
HOAG, GEORGE FORREST	N. Y.	The Portner, 15th and U Sts.
Polytechnic Institute of		
Brooklyn		
HODGE, DAVID MALCOM	Pa.	1916 16th St. N. W.
A. B. in Econ.		
Swarthmore College		

STUDENTS

THE PARTY OF

	Legal	
Name	Residence	Address
HOLLIDAY, MARION ELIZABETH	111.	78 V St. N. W.
HONEYCUTT, WILLIAM ELISHA	N. C.	112 3d St. N. E.
A B Wake Forest College		
A. B., Wake Forest College HONTS, EMORY R.	Okla.	Room 26, 1320 New York
TIONIS, DAIONI II.		Avenue
HORTON, ELEANOR BESSIE	Me.	820 Whittier St.
Boston University		
HOSTETTLER, BINAS	Ind.	1216 9th St. N. W.
†HOUGHTON, GRACE ADAMS	Wis.	3351 18th St. N. W.
A. B. University of		
Wisconsin		4000 Y 1 11 Townson
†HUCKABEE, HENRY GRADY	Ala.	1832 Ingleside Terrace
George Washington University	D 0	FOR TOAL CA N W
Huff, Jesse M. E., Ohio State	D. C.	521 18th St. N. W.
University	D. C.	129 3d St. N. E.
HUGHES, GEORGE ERNEST	D. C.	120 00 00. 11. 25.
University of Texas	N. Y.	1460 Monroe St. N. W.
HUGHES, WILLIAM ARTHUR	24. 2.	1100 1110111101
B. S., 1915, Union University	Cal.	326 11th St. N. E.
HUNDLEY, JAMES CUTTY George Washington University	Cterr	
HUNT, WARREN HANSELL	D. C.	2305 18th St.
Jackson, Albert Leslie	Tex.	1722 35th St.
University of Texas		O. ST TT
JACKSON, ELMER J.	Pa.	1348 Irving St. N. W.
Muhlenberg College	-	CL N W
JENKINS, BEN	Ill.	424 Kenyon St. N. W.
JEPSON, MELVIN	Nev.	1381 Irving St. N. W.
B. S., 1911, University of		
Nevada		1829 19th St. N. W.
Johnson, Clair V.	Iowa	1829 1941 156. 14. 44.
George Washington University	0-1	1301 K St. N. W.
JOHNSTON, DOROTHY BEARD	Cal. Pa.	1006 M St. N. W.
JONES, HOMER WILLIAM KATZ, WILLIAM	N. Y.	511 L St. N. W.
KATZ, WILLIAM	1. 1.	311 13 50. 21. 11.
B. S., 1914, College of City of New York		
*KELIGER DESCRIPTION	Va.	1439 T St. N. W.
*Kelisky, Bessie Bender George Washington University		
KELLY, CLARE REGINA	Vt.	2306 1st St. N. W.
KENNEDY, EDWIN RUSSELL, JR.	D. C.	1753 N St. N. W.
Keogh, John Joseph	N. Y.	The Brunswick
A. B., Manhattan College		- 22 Cl. 37 TY
KETNER, HENRY ERNEST	N. C.	2140 N St. N. W.
KETNER, JAMES THOMAS	N.C.	2140 N St. N. W.
KILPATRICK, HOWARD CECIL	Ala.	328 Senate Office Building
Alabama Polytechnic		
Institute	01:	1012 F Ct N W
KIRBY, HOMER H.	Ohio	1815 F St. N. W.
George Washington University	Ohio	Apt. 62, The Plymouth
"KITSON, FORREST GARFIELD	Ohio-	26 Harrison St.,
KLINE, VIRGIL CLAUDE	Va.	Cherrydale, Va.
B. S., in Education, 1917,		Chori j dano, 1 da
University of Missouri		

	Legal	
Name	Residence	Address
KNOCK, FRANKLIN	D. C.	3423 14th St. N. W.
George Washington University	У	
Knowlton, Alfred Smith University of Minnesota	Minn.	2035 Park Rd.
*Kudish, Samuel	N. J.	2022 Portner Place
KUZMIAK, JOHN STEPHEN	Pa.	R. 415, Y. M. C. A.
LACY, OLIVE BEATRICE	N. J.	1347 Girard St. N. W.
LAFOLLETTE, GEORGIA E.	Idaho	1203 Columbia Rd.
University of California;		
Washington State College		
LAFOLLETTE, PHILIP FOX	Wis.	3320 16th St. N. W.
A. B., 1919, University of		
Wisconsin		
LAPPIN, MARY	D. C.	122 V St. N. W.
LARKIN, THOMAS DILLARD	Va.	Washington Navy Yard
LARSON, JOHN EMIL	Me.	1758 S St. N. W.
George Washington University	V	
LASSEN, EARLE CHARLES	D. C.	1017 K St. N. W.
LAUSEN, ARTHUR E.	Conn.	P. O. Box 1259
*Law, Annie Joe	Fla.	1354 Fairmont St. N. W.
Lander Tinsdale College,		
Greenwood, S. C.	-	
†LEE, EDNAH MCKINLEY	D. C.	1309 Quincy St. N. W.
†LEGER, BENOIT LELAND	N. Y.	715 5th St. N. E.
B. E., 1911, University of		
Michigan	Ta	U. S. Patent Office
B. Sc., 1914, and M. Sc., 1916,	La.	U. S. Patent Office
University of Chicago		
L'Hommedieu, Samuel	D. C.	1322 6th St. N. W.
LIDDELL, M. VONCILE	Texas	The Alabama, 11th and
University of Texas	4 (1466)	M Sts.
LIPCHES, ESTHER	N. Y.	X-Y Building, Government
	-11	Hotels
LITTELL, NELSON	Ind.	3149 Mount Pleasant St.
Purdue University; George		
Washington University		
LITTLETON, MARY VIRGINIA,	W. Va.	916 Eye St. S. E.
LITZELMAN, MARIE E.	Pa.	713 19th St. N. W.
LLOYD, WILLIAM KENYON	D. C.	1336 Eye St. N. W.
U. S. Military Academy	D. I.	W M C A
LODGE, THOMAS ELLIS	Del.	Y. M. C. A.
*LOGAN, DANIEL N.	D. C.	21 Bates St. N. W.
George Washington University		
CARL, JR.	N. J.	1653 Newton St. N. W.
B. S. in Econ., 1919	24. 0.	1000 Newton Bt. IV.
B. S. in Econ., 1919, University of Pennsylvania		
LUCAL, IRA DAVID	Ohio	1479 Monroe St.
George Washington University		
LUCE, LLEWELLYN ATSETT	Mont.	215 2d St. S. E.
Montana State College:		
University of Chicago	D 6	1414 41 41 41
MARSHALL, CARL A.	D. C.	1213 N St. N. W.

The state of the s

	Legal	
Marshall, Clinton Lee	Residence Va.	918 Washington Loan &
		Trust Building
MARSHALL, ROBERT WALLACE MARTHINSON, DETLOW MAINCH George Washington University	Ky. D. C.	1104Vermont Avenue N. W. 1842 Calvert St. N. W.
MARTIN, WALLACE HAROLD A. B., Indiana University	Ind.	508 19th St. N. W.
†MAXFIELD, EFFA McCarthy, Edward, Jr. McCaslin, Walter Wood McClain, Clifford Hale McCoy, Philbrick McCullough, Joseph	Mich. Va. Va. W. Va. D. C.	1416 F St. N. E. Cherrydale, Va. 2501 Pennsylvania Avenue 1628 Hobart St. The Wyoming Apartment
EAGLESON	Pa.	1107 P St. N. W.
McCullough, Winnie D. McDaris, Vivien Lois Washington University	Okla. Miss.	1800 New Hampshire Avenue 2400 16th St. N. W.
McDougal, John Lewis University of Missouri	Iowa	1202 O St. N. W.
McFall, Catherine McHenry, John Geiser, Jr.	Ind. Pa.	935 Westminster St. N. W. 1104 Vermont Avenue
George Washington University		TO COLUMN TO
McIntosh, Samuel Wallace	D. C.	Apt. 32, 128 C St. N. E.
McKinley, Lloyd Henry †McPherson, Joe Francis George Washington University	W. Va. Mo.	214 2d St. N. E. 1746 K St. N. W.
McVay, William Walter Meadow, Hilda Wesleyan College	Pa. Ga.	Walter Reed Hospital 1322 L St. N. W.
*MEWER, WESLEY MILLIKEN Carnegie Institute of	Me.	705 E St. N. E.
Technology	Texas	13 Randolph Place N. W.
MILLER, ELVIE EARL MILLER, WARREN EDWARD	Ind.	Y. M. C. A.
George Washington University †MILLS, HELENA JANE N. Y. State College	N. Y.	R-S Bldg., Government Hotels
MITCHELL, WADE HAMPTON	D. C.	206 C St. N. W.
*MIXTER, PAUL LOUIS	Mich.	1842 Calvert St.
†Monk, John Henry	Tex.	161 Kentucky Avenue
Texas Christian University	D. C.	1743 Rhode Island Avenue
MONTGOMERY, ANNA CARROLL MORGAN, ROBERT ELMER A. B., Arkansas University	Okla.	1744 Riggs Place N. W.
Morris, John G.	Ky.	232 Randolph St. N. E.
MOUNT, THOMAS FLIPPIN	Tenn.	U. S. Court of Claims
MORRIS, JOHN G. MOUNT, THOMAS FLIPPIN M YERS, LAWRENCE CRAMER	Mont.	1333 L St. N. W.
MILERS, ORIE EUGENE	Ga.	1116 9th St. N. W. 1328 Vermont Avenue
Myres, Eustis	Texas	1121 12th St. N. W.
*Nelms, Henning Cunningham George Washington University	D. C.	
George Washington University †NEVILLE, JAMES HARVEY A. B., Drury College	Mo.	113 4th St. N. E.

	Legal	
*Newell, William Clifton	Residence N. C.	Address 2511 14th St. N. W.
University of North Carolina		
NEWMAN, LAWRENCE GILBERT	D. C.	3617 New Hampshire Avenue N. W.
NICHOLS, ROSS MANNING	N. J.	1422 Massachusetts Avenue N. W.
NICKLES, JAMES PEARSON	S. C.	Washington Barracks, D. C.
NIELSEN, GEORGE LEONARD George Washington University	Utah	1333 15th St. N. W.
Noe, Edward Terris, Jr. B. S. in E. E., 1914,	Pa.	Div. 22, U. S. Patent Office
University of Pennsylvania		
NUTT, ROLLAND LEE	Ill. S. Dak.	1018 Munsey Building 100 W St. N. W.
ODELL, ROBERT RUSSELL	R. I.	1868 California St. N. W.
*O'HANLEY, JOHN SCHNEIDER *OLMSTED, VICTOR CARLETON George Washington University	Va.	Clarendon, Va.
OSNES, OLAF WALTER	S. Dak.	2028 G St. N. W.
OVERSTREET, WALTER EVERETT	D. C.	R. 495, House Office Bldg.
PAGE, PROCTOR HULL	Vt.	311 Senate Office Building
PALMEDA, LUIS JUAN PAMINTUAN, PAZ	P. I. P. I.	1339 Shepherd St. 3615 Newark St. N. W.
PARKER, WARREN H.	D. C.	1414 Girard St. N. W.
†Patterson, John Howell, Jr.	Fla.	337 Senate Office Building
A. B., 1919, Davidson College		-
PAYNE, HORACE DURANT	Okla.	
A. B., 1917, University of Missouri	-7.	
PENROD, HERMAN GARFIELD	Ohio	1311 Fairmont St.
PERLIN, HARRY Georgetown University;	N. Y.	2219 H St. N. W.
George Washington University		
†Peterman, James Cuyler	La.	1119 Euclid St. N. W.
Piepgrass, Charles Spurgeon University of Oklahoma	Okla.	1445 R St. N. W.
PLAGENS, HENRY JAY	Kans.	2611 Adams Mill Rd.
POLLITT, BASIL HUBBART	W. Va.	529 18th St. N. W.
A. B., 1917, University of		
Cincinnati PORTER, CHARLES W.	Ohio	1328 Fairmont St.
De Pauw University;	Omo	1020 Fairmont St.
Ohio University		
POTTER, MAURICE RAY	III.	23 Sth St. S. E.
*Powell, Helen Pomona College	Cal.	1316 15th St. N. W.
RAINE, WENDELL PHILLIPS	Pa.	1731 S St. N. W.
B. S. in E. E., 1907; M. A., 191 University of Pennsylvania	1;	
RAUBER, MARGERET ELIZABETH	N.Y.	2122 Connecticut Avenue
REVELLE, DEAN McDaris	Miss.	2400 16th St. N. W.
*REYNOLDS, JOHN BERNARD	Minn.	632 Y. M. C. A.
A. B., 1918, University of	N. Y.	Apt. 51, The Victoria
Michigan		

	Legal	
Name I	Residence	Address
*RICHART, GENEVIEVE	Ill.	1712 Lanier Place, N. W.
*ROBERTS, RICHARD		
EDWARD, JR.	Pa.	2544 14th St. N. W.
ROBINSON, JOHN GREENE	Kv.	232 Randolph Place N. E.
†ROCHESTER, GEORGE WILLIAM	III.	1414 Mass. Avenue
University of Chicago		
Rockow, ARTHUR	Wis.	902 Westminster St.
†ROGERS, WILLIAM ADDISON, 2d	D. C.	1756 Lamont St. N. W.
Renssallaer Polytechnic		
Institute		
ROLLINS, JAMES FRANKLIN	Okla.	Y. M. C. A.
ROME, HYMAN PAUL	Md.	Bladensburg, Md.
ROSENBERGER, CHARLES RUPLEY	Md.	2420 14th St. N. W.
Ross, WILLIAM WARFIELD	D. C.	1618 29th St. N. W.
RUDD, SPENCER TYLER	Minn.	R. 379, House Office Bldg.
SALDANA, JUAN BAUTISTA	D. C.	The Dunsmere
SALL, NED EDWARD	D. C.	1447 R St. N. W.
SANDOE, NICHOL MAIN	D. C.	235 12th St. N. E.
B. S., 1919. Dartmouth College	9	
SARTWELL, FRANKLIN GADAGHER	D. C.	1022 Spring Rd. N. W.
SAUNDERS, RANDALL N.	D. C.	1323 Columbia Rd.
George Washington University		- ACTO A DE
*Schneider, John Thomas	Tenn.	Care of G. H. Q., A. E. F.,
A. B., 1919, The University		7th and E Sts.
of the South		ATTO ON A CAN W
SCOTT, RALPH SINTHAL	D. C.	1512 21st St. N. W.
George Washington University		2015 1441 C4 N W
*SEATON, ARTHUR J.	Iowa	2215 14th St. N. W.
The State University of Iowa		TOO DOWN W
SEE, ERNEST ALDINE	W. Va.	1739 P St. N. W.
George Washington University		emi To 1
SEELEY, BROMLEY	D. C.	The Dresden
*Selby, John Mahlon	D. C.	R. F. D. 2, Bethesda, Md. 2030 G St. N. W.
SHANHOLTZER, JAMES CLINTON	W. Va.	2030 G St. N. W.
†SHEA, MICHAEL FRANCIS	Conn.	1109 M St. N. W.
A. B., 1915, Middlebury		
College		4 = 40 T7 C14
SHEFFIELD, EDGAR L.	Idaho	1740 K St.
George Washington University		OOO I CA N W
†SHETZEN, WILLIAM	N. Y.	908 L St. N. W.
Maryland State College		1070 21-4 Ct N W
*SHINNICK, HARRY ALLISON	D. C.	1252 31st St. N. W.
University of Virginia;		
Georgetown University;		
George Washington University		
Colgate University		1252 31st St. N. W.
SHINNICK, HERBERT HANSERD	Va.	1252 318t St. N. W.
George Washington University		
University of Liverpool		
*Shoemaker, Margeret	-	W W C A House Silver
AMELIA	Pa.	Y. W. C. A. House, Silver
		Springs, Md.
SHUMAKER, FREDERIC ARTHUR	Kans.	Apt. 35, The Cumberland 1404 M St. N. W.
SIMMONS, RUSH NELSON	Minn.	1404 M St. N. W.
George Washington University		

	Legal	
Name	Residence	Address
SIMMONS, VERNE PHIL	Mo.	1829 19th St. N. W.
*SIMPKINS, DOROTHY KATHLEEN University of Nebraska	Nebr.	1760 Euclid St. N. W.
*Simpson, Jesse Noble George Washington University	D. C.	1825 Kalorama Rd. N. W.
*SIRE, SIGURD	Minn.	215 Indiana Avenue N. W.
†SLINGLAND, EARL JAMES Maryland State College	N. J.	937 Massachusetts Avenue
*Smith, Margaret May George Washington University	Md.	Riverdale, Md.
*SMITH, O. THAXTER	D. C.	431 Munsey Building
SMITH, TALMA L.	Tex.	232 House Office Bldg.
George Washington University	7	
SNEED, ERNEST CECIL	Tenn.	1913 14th St. N. W.
Snow, Chester Ammen, Jr. University of Pennsylvania	Md.	710 8th St. N. W.
SNYDER, ROSS H.	Ill.	2119 Pennsylvania Avenue
SOMMERKAMP, FRANK	D 0	200 A C4 C E
MARCRUM, JR.	D. C.	602 A St. S. E.
University of Georgia	77	Off of Cillater of Toron
Sommers, Goodloe Gooch	Va.	Office of Collector of Taxes, D. C.
SPEARS, CLEO CALVIN	Ohio	1360 Meridian St.
*SPENCER, CLAUD EDWARD	S. C.	1319 Massachusetts Avenue
University of South		
Carolina	D	1447 D CA NT W
SPORKIN, M. WALTON, JR.	Pa.	1447 R St. N. W.
*Springmann, Regina	D. C.	720 6th St. S. W. 1226 13th St.
STANLEY, CHILTON FISKE	Ind.	1220 13th St.
A. B., Earlham College STANTON, OSCAR DAVID	D.C.	3310 Ross Place, N. W.
A. B., Denver University;		,
B. S., Colorado Agricultural		
College	201	M. D. 1 M.
STEARNS, ORLO FOSTER George Washington University	Md.	Mt. Ranier, Md.
*Stebbins, Charles Rowland Milton University	Md.	Apt. 158, The Cordova
STEELY, MAYE	Ala.	1224 13th St. N. W.
†STENDALL, OSCAR MORGAN	N. Dak.	144 A St. N. E.
STEPHENSON, FRANK TILGHMAN	Tex.	Hyattsville, Md
STEVENS, EUGENE ENSIGN, JR.	Md.	622 F St. N. W.
†STEWART, CHARLES		
BREKLEY, JR.	Utah	100 4th St. N. E.
University of Utah	III.	2650 Wisconsin Avenue
STEWART, ELAM LAFAYETTE Monmouth College;	III.	2000 Wisconsili Avenue
Valparaiso University		
*STEWART, MARY MABEL	D. C.	127 3d St. N. E.
George Washington University		
STICKNEY, HARRY	D. C.	1443 Chapin St.
STOKES, WALTER RAYMOND	D. C.	508 Wardman Courts
STOLTZ, AUTHWIN	III.	1429 C St. N. E.

	Legal	Address
24 0000	Residence N. Y.	1422 Massachusetts Avenue
STONE, CHARLES IRVING	Md.	R. R. 2, Bethesda, Md.
SULLIVAN, JULIA PATRICIA	Mont.	637 E St. N. E.
SULLIVAN, STUART ARTHUR, †SUMMERALL, LEONIDAS FRANKLIS		R. 427, Y. M. C. A.
SUMMERS, PAUL DILWYN	Wash.	1316 Euclid St. N. W.
Symons, Noel Speer	D. C.	1606 New Hampshire
Canons, More of Elem		Avenue N. W.
†TAYLOR, BELOIT	Ark.	2511 14th St. N. W.
Southern Methodist		
University;		
University of Arkansas		
*TAYLOR, HENRY PORTERFIELD	Va.	Walter Reed Hospital
B. A., 1913; M. A., 1914;		
University of Virginia		
TAYLOR, JAMES HARVEY	Cal.	Office J. A. G., Navy
Grad., U. S. Naval Academy		Department
TEFFT, LIONEL V.	Ill.	1332 V St. N. W.
Dartmouth College;		
University of Chicago		
TEIBER, EDWARD ALVIS	Mo.	802 F St. N. E.
THOMAS, HENRY PHINEAS	Va.	1404 11th St. N. W.
University of Virginia	27 0	947 Massachusetts Avenue
Tompson, Frank Marion, Jr.	N. C.	932 North Carolina Avenue,
THOMPSON, GLENN M.	Ind.	S. E.
9/T	III.	Apt. 502, Wardman Courts
*Thompson, Jessie Louise	Utah	382 House Office Bldg.
THURMAN, ALLEN GROVER	Ctan	
A. B., University of Utah Tilghman, Sarah Augusta	Md.	1737 T St. N. W.
A. B., 1917, Goucher College	212 (4)	
TINNERMAN, CLIFFORD LOWELL	Ohio	108 3d St. N. E.
Ohio State University		THE STATE OF THE S
*Tolkins, Abraham Milton	D. C.	2115 1st St. N. W.
TOUHEY, MATTHEW PATRICK	Wis.	1741 Columbia Rd.
Towers, Frederic Newton	D. C.	1882 Columbia Rd.
TOWNSEND, IRVING UPSON, JR.	Mass.	1331 Belmont St.
A. B., 1915, Harvard University	DC	2909 P St. N. W.
TRON, ROBERT A.	D. C. Colo.	2909 1 50. 21. 11.
*TROUT, GEORGE ALEXANDER	Colo.	
A. B., 1915, University of		
Denver Porov Parrey	Ark.	1744 Riggs Place N. W.
Turner, Bolon Bailey University of Arkansas		
*Tyler, Edward Scott	D. C.	2000 H St. N. W.
University of Virginia;		
George Washington University		D AND WAS CO.
†UDALL, DON TAYLOR	Ariz.	Box 417, Y. M. C. A.
†URSUA, FRANCISCO ANTONIO	Colo.	2130 O St.
VANVEGHTEN, THEODORE	AT W	1222 Pennsylvania Avenue
SHAFER	N. Y.	Vienna, Va.
WAINWRIGHT, CHARLES EDWARD	Va.	1 20 313 100
Bucknell University;		
Columbia University WALLER, RAYMOND MINOR	Va.	1404 14th St. N. W.
THE TAXABLE TA		

	Legal	4.13
	Residence	Address
FRENCH, WILLIAM THOMAS	D. C.	Clarendon, Va.
George Washington University	Va.	Fort Myer Heights, Va.
GAYLE, CATHERINE JARVIS	D. C.	2851 29th St.
Geiger, Olive Evalyn Maryland College for Women	D. C.	2001 2011 50.
Geist, Robert Louis	Conn.	515 Kenyon St.
C. E., 1917, Rensselaer	Comi.	oro recisjon co.
Polytechnic Institute		
GILLIS, HARRY A.	Iowa	Bureau of War Risk Insurance
A. B., 1914, Monmouth College		
GLASS, ROBERT LEWIS	Pa.	4102 5th St. N. W.
B. S., in E. E., 1913,		
Pittsburgh University		
HANSON, EDWARD J.	N. C.	1333 15th St. N. W.
George Washington University		
HARRIS, BRANTLEY C.	Texas	105 House Office Building
A. B., 1917, Rice Institute	** **	1070 TF G. 37 TY
HAZEN, JOSEPH HARRINGTON	N. Y.	1352 Kenyon St. N. W.
George Washington University		
HECHMER, MARIE	THE NE	1000 T C4 N W
ANTOINETTE DOLORES	W. Va.	1606 K St. N. W.
HEITMULLER, RALPH EMMERT	D. C.	1307 14th St. N. W.
George Washington University	DC	1949 Colmont St
*HENDON, CLAUDE	D. C.	1843 Calvert St.
HIGGINS, DANIEL ERNEST	Me.	2133 F Street
University of Maine	Pa.	1712 15th Street
HOFFMAN, JOHN EDWARD	Ill.	505 4th St.
HOHENSTEIN, ARTHUR EDWIN George Washington University	111.	705 4th 5t.
Holt, Everett Guy	Me.	715 19th St.
A. B., 1915, Colby College	AVIC.	110 1001 150.
Howing, Helen Pauline	Mo.	2523 14th St.
University of Missouri	1110.	
HUTT, JAMES BROOKE	Va.	1476 Newton St.
U. S. Naval Academy	* 1003	2210 21011 3001 3001
*JACOBSEN, GROVER CLEVELAND	Ia.	1833 S St.
A. B., Iowa University		
JAVIER, EMILIO CONZ	P. I.	106 Eye St.
JOHNSON, HERBERT CARL	Minn.	1100 Vermont Avenue
JOHNSON, WILLIAM MONROE	Md.	1843 Calvert St.
KEEFER, ARTHUR CHARLES	Md.	College Park, Md.
*Kelly, Edward, Jr.	Mass.	79 R St. N. W.
LACY, SAMUEL WINSTON	Va.	P. O. Box 675, 11th St. Sta.
LAFLEUR, JOHN RALPH	Me.	1321 Rhode Island Avenue
B. S., 1915, Colby College		
LAMB, ALBERT THOMAS	Kans.	1225 L St. N. W.
LANE, MUNSON HARMON	Va.	R. 249, Patent Office
B. S., 1918, Princeton		
University	2.00	1024 O 4 '- Di NY W
LEBRUN, ISABELLE SCHIER	Minn.	1854 Ontario Place N. W.
LEHMAN, ROLAND JULIUS	III.	1404 Harvard St.
George Washington University	87 87	1002 If CA N W
LEWIS, EDWARD DENCH	N. Y.	1925 K St. N. W.
B. S., 1918, Syracuse		
University		

	Y 1	
	Legal	Address
	Residence	1343 Harvard St.
LIVINGSTON, WALTER KCKENZIE University of South Dakota	S. D.	TOTO Ales vesta See
Lyon, William Campbell Carnegie Institution of Technology	Pa.	2511 14th St. N. W.
MARSHALL, EDITH L. †MATHER, THOMAS METLER State University of Iowa	Ill. S. D.	Apt. 3, 1926 M St. N. W 1430 Rhode Island Avenue
MATHIAS, FLOYD BRANSON †McClean, Cyril Wesley A. B., University of California	W. Va. Cal.	Mt. Rainier, Md. Department of Justice
McCoy, Whitley Peterson A. B., 1916, Dartsmouth College	W. Va.	3421 34th St. N. W.
McDermott, Franklin Pierce, Jr. A. B., 1902, A. M., 1903, E. E., 1905, Princeton University	N. J.	1814 Park Rd. N. W.
McGuire, Ollie Roscoe A. B., 1917, Louisiana State University	La.	Cherrydale, Va.
MICHELSON, BERNARDETTE	Md.	908 Webster St. N. W.
SERENA MILLER, JESSE CLINTON	N. D.	203 9th St. S. W.
Morford, James Richard	Del.	21 Eye St. N. E.
*Morse, Ralph Lyter	D. C.	3426 16th St. N. W.
MOTLOW, GEORGE THOMPSON	Tenn.	909 13th St. N. W.
O'BRIEN, JAMES JOHN	N. Y.	Gladstone Apartment
O'LEARY, JOHN FRANCIS	Wis.	702 19th St. N. W. Walter Reed Hospital
OLIVER, FRED NASH University of Texas	Tex.	1810 Calvert St. N. W.
Paden, Jack	Okla.	1812 Ontario Place N. W.
PARE, FRANCES E. Ph. B., 1910, Syracuse	N. Y.	1012 Ontario 2 acc 200
University Parsons, Maud Anna	III.	102 L-M Building, Govt. Hotel
Princes Francis Locani	Minn.	1926 17th St. N. W.
PEARLOVE, EDWARD JOSEPH PHILLIPS, JOHN BARTON	Va.	216 S. Fairfax St.
George Washington University		Alexandria, Va.
PIERCE, CLIFFORD DAVIS George Washington University	Tenn.	2511 14th St. N. W.
PIXLEY, REX ARTHUB	Mich.	Y. M. C. A.
Pool, Harry R. University of Minnesota	Minn.	1 Dupont Circle
Porges, Mortimer	III.	1447 R St. N. W.
RAPPAPORT, HARRY	N. Y.	1926 New Hampshire Avenue
George Washington University		1040 Colmant St
REYNOLDS, MARVIN JACOB	N. Y.	1842 Calvert St.
C. E., 1917, Rensselaer Polytechnic Institute		

	Legal	
Name	Residence	Address
RIDER, WAKEMAN	N. Y.	Commercial National Bank
A. B., 1904, Colgate	44. 4.	Bldg.
University		******
RIGGLES, JOSEPH		
RICHARD, JR.	D. C.	1328 Fairmont St.
George Washington University		
Ring, Freda	D. C.	1215 Harvard St.
George Washington University		
ROBERTS, SAMUEL JUDSON	D. C.	1805 Kenyon St.
The state of the s	Wis.	1314 Mass. Avenue
A. B., St. Olaf College	** 455.	AUA A AIAMMI OB I CARGO
Rogers, Victor Jenkins	Kans.	150 O St. N. E.
ROSENLUND, ARTHUR JHALMER	Minn.	1810 Calvert St.
*Rust, Harry Lee, Jr.	D. C.	912 15th St. N. W.
Lehigh University	D. C.	012 10011 00. 24, 11.
SAULSBURY, WILLIAM	Del.	Somerset House, 16th and
A. B., 1887, Harvard	Det.	S Sts.
		17 17000.
University Norway Bushop	Conn.	Apt. 51, The New Berne
A. B., Yale University	Comi.	ripe. or, The rich being
Simpleh, Briggs George	Wash.	1422 Massachusetts Avenue
	TT GEORGE.	N. W.
University of Washington	D. C.	32 Q St. N. W.
Sokolov, Harry Eliot	Minn.	1447 R St. N. W.
SPANIER, DAVID HOWARD	WHIIII.	1411 16 150. 14. 11.
University of Minnesota		
STAYTON, WILLIAM	N. Y.	Hotel Portland
HENRY, JR.	IV. I.	Hotel Politiand
Harvard University	L'ana	1736 G St. N. W.
STECHER, KARL	Kans.	1750 G St. N. W.
A. B., 1918, George		
Washington University	CVL	1790 D C4
STERLING, RALPH J.	Ohio	1739 P St.
STONE, HENRY ULEN	Mo.	1311 24th St. N. W.
†Sucher, Ralph Gunn	III.	3320 16th St. N. W.
Bradley Polytechnic		
Institute	37	1100 E-i 4 A
TABLER, OTIS FRANCIS	Va.	1100 Fairmont Avenue
Richmond College	15 (1	1770 DL. D.I
TAGGART, ETTA LOUISE	D. C.	1758 Park Rd.
THOMAS, ROBERT	Va.	Braddock Heights,
A. B., 1915, Richmond		Alexandria, Va.
College	***	1000 M St. M. W.
TIERNEY, JAMES PAUL	W. Va.	1208 M St. N. W.
West Virginia University		1000 35 1 11- 11- 1
*Tobias, Benjamin	Md.	1228 Massachusetts Avenue
UEHREN, ROBERT MONAT	Wis.	1343 Harvard St.
Underwood, Eugene, Jr.	D. C.	707 20th St. N. W.
A. B., 1919, George		
Washington University		our C + Off - Pulling
WATKINS, JOHN DAVID	Miss.	217 Senate Office Building
WEGENER, EMMA ALMA	Wis.	1344 Meridian St. N. W.
WILLIAMS, VIRGINIUS FAISON	N. C.	1420 Rhode Island Avenue
A. B., 1917, University of		
North Carolina		

THE PARTY.

WILLIAMSON, ERNEST R. WILLIS, WARREN JENNISON Graduate, 1912, U.S. Naval Academy: A. B., 1918,	Legal Residence Ore. Minn.	Address 1723 G St. N. W. U. S. Patent Office
George Washington University Wilson, John Johnston Woodson, Fred Lee Wright, Harold Page	Md. Mo. R. I.	1320 Farragut St. N. W. 1759 Columbia Rd. Clerk's Document Room, House Office Building
WUNDERLICH, LUCILE MARIE YOUNG, LESLIE BERNARD A. B., 1913, Cornell	Ку. N. Y.	228 2d St. N. E. 1810 Calvert St.
University †ZILLMAN, BEN VICTOR B. S. in M. E., 1916, Washington University	Mo.	U. S. Patent Office

THIRD YEAR CLASS

ALBERTSWORTH, EDWIN FRANKLIN A. B., 1915, A. M., 1916, Ph. D., 1918, George Washington	Md.	130 Carroll Avenue, Takoma Park, Md.
University ALVORD, ELLSWORTH CHAPMAN A. B., 1917, University of	Wis.	1315 Shepherd St. N. W.
Wisconsin *BANIK, ADOLF T. University of North	Minn.	Supply & Accounts, Navy Dept.
Dakota Barbour, Harriet M.	Ore.	3213 13th St. N. W.
George Washington University Barnhart, Alvin Johnson Bell, Charles Rowan Black, Owen Bloem, John Harry Boyer, Eugene Francis	W. Va. Ky. Okla. Mich. Conn.	1541 8th St. N. W. 1021 11th St. N. W. 1100 Vermont Avenue Federal Trade Commission 1421 Eye St. N. W.
Ph. B., 1917, Yale University Brody, Arthur Chester Brown, Walter Lee Bryant, Joseph Mortimer Bush, Clarence Edgar Canfield, Raymond Bishop Ph. B., 1910, Yale	N. Y. Ark. Utah D. C. D. C.	General Land Office 1219 Shepherd St. N. W. 1812 Park Rd. 1019 Washington Loan & Trust Building
University Carter, Ferdinand Espey Carter, George Henry Ph.B., 1898, State University	Md. Iowa	Taylor St. Chevy Chase, Md. 1661 Hobart St.
of Iowa L. L. B, Feb. 1920, George Washington University CLARKE, CALVIN COLLINS, ELMER BRIGGS	Ky. Ala.	2702 12th St. N. E. Interstate Commerce Commission

Connell, Letcher Benjamin Cornell, Herrer Matren A. B., 1908, University of Colorado Compos, Eliadoro Palacto University of the Philippines Corner, Joseph Clippoed University of Chattaneoga Dowell, Cassius McCleilan Esor, Grace Marie George Washington University Plewains, Bash Dore U. S. Military Academy Prayel, Robert Hiram A. M., 1906, Randolph-Macon College Fary, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Pery, Charles Millard A. B., University of Lowa Fuller, Wiley Madison University of Control University of Control University of Texas Fuller, Wiley Madison University of Texas Fuller, Wiley Mad		Legal	
Connell, Lescener Renjamis Cornell, Hernert Waters A. B., 1908, University of Colorado Corpus, Eliadoro Palacio Palacio University of the Philippines Curry, Joseph Clifford University of Chattaneoga Dowell, Cassus McClellan Ecoy, Grace Marington University *Edwards, Barn Dove U. S. Military Academy *Frayer, Rosest Hinam A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millare A. B., 1915, Central University of Texas Fuller, Wiley Maddison College Frenchard, Milland Fuller, C. T. Herron A. B., 1915, Princeton University of Texas Fullow, Allen John Goldburg, Larry Ramuel Graves, John Temple, Jr. Litt. B., 1915, Princeton University Gerga, Lewis Judson Hampond, James Morris Stanford University; University of California Herchard, Willam Jacon Herny, Condon Carywood A. B., 1915, George Washington University *Holman, James Bradley Holman, James Bradley Hollender Holman, James Bradley Holman, James Bradley Hollender Holman, James Bradley Hollender Holman, James Bradley Hollender Hollender Hollender Hollender Holman, James Bradley Hollender Hollender Holman, James Bradley Hollender Holman, James Bradley Hollender Holman, James Bradley Holl	Name		Address
Cornell, Hernert Watson A. B., 1902, University of Colorado Compus, Ellardoro Palacto Palacto University of the Philippines Corner, Joseph Clippord University of Chattanooga Dowell, Cassius McCleilan Eody, Grace Marie University of Chattanooga Dowell, Cassius McCleilan Eody, Grace Marie University of Chattanooga Dowell, Cassius McCleilan Eody, Grace Marie University Prayel, Roshert Hinam A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Get, 1919, George Washington University Prey, Charles Millard A. B., University of Nebraska Freinday, Karl Beniamin Fuller, Wiley Madison University of Iowa Fuller, Wiley Madison University of Texas Fullow, Allen Joen Goldorg, Harry Samuel Gridden, Harry Samuel Gridden, Harry Samuel Gridden, James Morris Stafford University; University of California Herrman, James Bardey Herrman, James Bardey Herrman, James Bardey Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, James Bardey Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, James Bardey Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, Jacon Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, Jacon Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, Jacon Jaconson, Edward Anton A. B., 1915, George Washington University *Bolland, Jacon Jaconson, Edward Anton A. B., 1915, George Washington Jaconson, Edward Anton A. B., 1915, George Washington Jaconson, Edward Anton A. B., 1915, George Washington Jaconson, Edward Anton A. B., 1913, College of the			
Colorado Cospus, Eliadoro Palacto University of the Philippines Count, Joseph Clippoed University of Chattanooga Dowell, Cassus McClilin Ecoy, Grace Marie George Washington University Elwains, Babil, Dure U.S. Military Academy Fraver, Robert Hinam A. M., 1906, Randolph-Macon College Fary, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey Charles Military A. M., 1906, Randolph-Macon College L. L. B., Oct. 1919, George Washington University Frey Charles Military A. B., University of Nebraska Freedland, Karle Benjamin Fuller, C. T. Hurdon A. B., 1915, Central University of Iowa Furlow, Allen John Goldbierg, Harry Samuel Graves, John Timples, Jr. Litt. B., 1915, Princeton University Grego, Lewis Judson Hampon, James Morris Stanford University; University of California Hereman, William Jacon	CORBIN, ELMER L.	111.	1011 Monroe St.
Colorado Cordus, Elladoro Palacio Pala	CORNELL, HERBERT WATER	Colo.	5419 Illinois Ave.
Coloredo Corpus, Eliadoro Palacio University of the Philippines Curry, Joseph Clippoed University of Chattarooga Dowell, Cassus McClifford Ecory, Grace Marie George Washington University Elwains, Babil, Dove U.S. Military Academy *Fravel, Robert Hriam A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College Washington University Frey, Charles Millard A. B., 1909, Missouri Valley College Washington University Frey, Charles Millard A. B., 1915, Central University of Iowa Fuller, Wiley Maddison University of Iowa Fuller, Wiley Maddison University of Texas Furlow, Allen Joen Graves, John Timple, Jr. Lite B., 1915, Central University Gregg, Lawis Judson Hamend, James Morris Stanford University; University of California Heckers, Sanger Theodore Herry, Coxfor Caywood Jacobson, Edward Theodore University *Holmark, Williams Morris Neb. A. B., 1915, George Washington University *Holmark, Williams Jacon A. B., 1915, George Washington University *Holmark, Millard Jacon A. B., 1915, George Washington University *Holmark, Markers Adolphus College Janes, Marwerl A. B., 1915, George Washington University *Holmark, Markers Adolphus College Janes, Marwerl A. B., 1915, George Washington University Responded University *Holmark, Markers Adolphus College Janes, Marwerl As B., 1915, George Washington University Responded University Adolphus College Janes, Marwerl As B., 1913, College of the	A. B., 1908, University of		
University of the Philippines Curry, Joseph Clippoed University of Chattanogea Dowell, Cassius McCleilan Esoy, Grace Marie Us. Military Academy *Fravel, Robert Hinam A. M., 1906, Randelph-Macen College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Freedland, Karl Erniamin Frilder, C. T. Herron A. B., 1915, Central University of Texas Freedland, Harry Samerl Graves, John Timped, Jr. Litt B., 1915, Princeton University Grego, Lewis Judson Harron, James Morros A. B., 1915, George Washington University Grego, Lewis Judson Harry Karles Harry Coxper Carwood A. B., 1915, George Washington University Grego, Lewis Judson Herend, James Morros A. B., 1915, George Washington University Grego, Lewis Judson Herend, James Morros A. B., 1915, George Washington University Corosco, Edward Astron A. B., 1915, George Washington University Holmarks, Savoer Tubedore Herd, Caro Rymon Jacosson, Edward Astron A. B., 1915, George Washington Jacosson, Edward			
University of the Philippines Curry, Joseph Clifford Tenn. Conn. Gearge Marie University of Chattaneoga Dowell, Cassus McClellan Wig. 1738 Lanier Place 1244 R St. N. W. George Washington University Edwards, Rabil Dure U. S. Military Academy Fravel, Robert Hirlan A. M., 1906, Randolph-Macon College L. L. B., Oct. 1919, George Washington University Fray, Charles Millard A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Fray, Charles Millard A. B., University of Nebraska Freedrand, Karl Benjamin Utah Fuller, C. T. Ruepon Lower Liter, Whey Madison Tex. 49 T St. N. W. University of Texas Furlow, Allen John Temple, Jr. Lite B., 1915, Princeton University Greeg, Lewis Judson Mich. 26 14th St. N. E. 1219 Eye St. Stanford University; University of California Heckman, Millard Jacon Literal, Millard Jacon Literal, Millard Jacon Literal, George Washington University Conducting Heckman, Millard Jacon Literal, Millard Lite	Corpus, Eliadoro	- 4	white word the Art Art
Philippiness Curry, Joseph Clifford University of Chatlances Dowell, Cassus McClelian Ecory, Grace Marie George Washington University Thewards, Rabil Dure U. S. Military Academy Frayel, Robert Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska A. B., University of Nebraska A. B., 1915, Central University of Jowa Fuller, Wiley Madison University of Texas Furlow, Allen John Gelyes, John Temple, Jr. Litt. B., 1915, Princeton University Greeg, Lewis Judson Hamond, James Morris Stanford University; University Greege, Lewis Judson Hernan, William Jacon Hernan, William Jacon Hernan, William Jacon Hernan, James Morris Stanford University; University Greege, Lewis Judson Hernan, James Morris Stanford University; University Holmans, James Bradley Holman, James Bradley Holmans, James Bradley Jacobson, Edward Anton A. B., 1915, George Washington University Jacobson, Edward Anton A. B., 1915, George Washington University Jacobson, Edward Anton A. B., 1915, George Washington University Jacobson, Edward Anton A. B., 1915, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Anton A. B., 1916, George Washington University Jacobson, Edward Jacobson Jacobson Jacobson Jacobson Jacobson Jacobson Jacobson Jacobso		F. L.	906 12th St. A. W.
Correct Joseph Clifford University of Chataracoga Dowell, Cassus McClellan Eddy, Grace Marie George Washingten University 'Enwams, Basil Duee U.S. Military Academy 'Fravel, Robert Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Fray, Charles Millard A. B., University of Nebraska Freedland, Karl Erniamin Fuller, C. T. Huerdon A. B., 1915, Central University of Iowa Fuller, Willey Maddson Tex. University of Texas Publom, Allen Joen Goldman, Herry Ramurl Grayes, John Temple, Jr. Litt. B., 1915, Princeton University Gereg, Lewis Judson Hamond, James Morris Stanford University: University California Heckman, William Jacon Herry Condon Caywood A. B., 1915, George Washington University 'Holmars, James Bradder Jacobson, Erward Andorn A. B., 1915, George Washington University Holmars, Samurla Throdore Histor, Casto Byadore Jacobson, Erward Anyon A. B., 1913, College Janes, Maxwell B. S., 1913, College Janes, Salot, College Janes, Maxwell B. S., 1913, College et the			
Dowell, Cassus McClellan Dowell, Cassus McClellan Esoy, Geace Marie George Washington University *Edwards, Barl Duee U. S. Military Academy *Fravel, Robert Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Freedland, Karl Benjamin Fuller, C. T. Hurton A. B., 1915, Central University of Iowa Fuller, Willey Madison University of Texas Furlow, Alen John Golders, Herry Samuel Golders, Herry Judson Hamon, James Morris Stanford University; University of California Herry Condon Caywood University Herry Condon Caywood University Holman, James Bradley Holman, James Bradley Holman, James Bradley Holman, James Bradley Jaconson, Edward Anton A. B., 1016, Gustavus Adolphus College Jane, Maxwell B. S., 1013, College of the	Philippines	75	Day 202 V M C A
Dowell, Cassus McClellan Eddy, Grace Marie George Washington University *Edwards, East, Duer U.S. Military Academy *Fravel, Robert Himam A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Fray, Charles Millard A. B., University of Nebraska Freedland, Karl Benjamin Fuller, C. T. Hurton A. B., 1915, Central University of Iowa Fuller, Whey Madison University of Texas Furlow, Allen Joen Goldmer, Harry Samuel Goldmer, Harry Samuel Goldmers, Harry Samuel Goldmers, Litt. B., 1915, Princeton University of California Heckhan, William Jacoa Henry, Condon Caywood University of California Heckhan, Walliam Jacoa Henry, Condon Caywood University Holman, James Bradley Holman, James Bradley Holman, James Bradley Holman, James Bradley Holman, Samel Theodore University Holman, James Bradley Holman, James Bradley Holman, James Bradley Holman, James Bradley Holman, Gaustavin Adolphia College James, Maxwell B. S., 1913, College of the	CURRY, JOSEPH CLIFFORD	i ciui.	1)0x 0(1), 1. M. C. A.
George Washington University *Edwards, Bard, Dure U.S. Military Academy *Fravel, Robert Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Fray, Charles Millard A. B., University of Nebraska Freedland, Karl Benlamin University of Iowa Fuller, Whey Madison University of Texas Furlow, Allen John Golders, James Market Golders, John Temple, Jr. Lift, B., 1915, Princeton University Greog, Lewis Judson Hamnon, James Morris Stanford University; University of California Heckelin, William Jacon Henry, Conton Caywood University Henry, Conton Caywood University Holman, James Bradley Holman, James Holman Holman Holman, James Holman Holman	University of Chattanoora	211	1799 Laniae Plaza
George Washington University Schwams, Bash, Doee U. S. Military Academy Fravel, Robert Himam A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Freedland, Karl Benjamin Fuller, C. Hichton A. B., 1915, Central University of Iowa Fuller, Wiley Madison University of Texas Furiow, Allen Joen Goldberg, Harry Samuel Grayes, John Temple, Jr. Litt, B., 1915, Princeton University Gregg, Lewis Judson Hammon, James Morris Stanford University; University of California Heckman, William Jacon Hendy, Condon Caywood A. B., 1915, George Washington University Holman, James Braden University Holman, James Braden Herdin, William Jacon Hendy, Condon Caywood Jacobson, Edward Anton A. B., 1915, Gustavin Adolphus Collego James, Marwell B. S., 1913, College of the			
*Edwards, Babil, Doer U. S. Military Academy "Fravel, Robert Himam A. M., 1906, Randolph-Macon College Fray, John Aaron Cal. Wardman Park Hetel A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard Nob. Y. M. C. A. A. B., University of Nobraska Freedband, Karl Benjamin Utah Fuller, C. T. Herton Lowa A. B., 1915, Central University of Toxas Furlow, Allen John Minn. Geldiche, Harry Samurl Coon. Grayes, John Timpial, Jr. Litt. B., 1915, Princeton University Gregg, Lewis Judson Mich. Hammon, James Morris Stanford University; University of California Heckman, William Jacon Hendy, Conton Caywood Toxas Hendy, Conton Caywood Toxas Hendy, Conton Caywood Toxas Jacobson, Edward Anton A. B., 1915, Gustavin Adolphus College James Marwell B. S., 1913, College of the	Carry Washington University		Till Rot. N. W.
U. S. Military Academy *Frayel, Roselet Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Friedland, Karl Benjamin Fuller, C. T. Rithton A. B., 1915, Central University of Iowa Fuller, Whey Madison University of Toxas Furlow, Allen Joen Goldburg, Harry Samurl Grayes, John Temply, Jr. Litt. B., 1915, Princeton University Greeg, Lewis Judson Hammond, James Morris Stanford University; University of California Hereman, Whilman Jacon Herenan, Walland Jacon University Holman, James Bradley Holman, James Bradley Holman, Jacon Rose Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, Gustavun Adolphus College Jaconson, Erw and Anton A. B., 1915, College ef the	*Company Right Date	L'ss.	P. 202 S. W. & N. Blde.
*Fravel, Robert Hiram A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Freedand, Karl Benjamin Fuller, C. T. Ruston A. B., 1915, Central University of Jowa Fuller, Whey Madison University of Toxas Furlow, Allen Joen Goldorg, Harry Samurl Graves, John Temple, Jr. Litt. B., 1915, Princeton University Gregg, Lawis Judson Hamnond, James Morris Stanford University; University of California Heckman, William Jacon Henry, Conden Caywood A. B., 1915, George Washington University *Holman, James Bradley Holman, James Holman Holman, James Bradley Holman, James Holman	II S Military Academy	24.51	Try office and any and annual
A. M., 1906, Randolph-Macon College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Friedland, Karl Benlamin Fuller, C. T. Burfon A. B., 1915, Central University of Iowa Fuller, Wiley Maddison Furlow, Allen Joen Goldorg, Harry Samuel Goldorg, Harry Samuel Goldorg, Harry Samuel Goldors, Harry Samuel Goldors, John Temple, Jr. Litt B., 1915, Princeton University Geeg, Lewis Judson Hammond, James Morris Stanford University; University of California Heckmax, William Jacon Henry, Condon Caywood A. B., 1915, George Washington University *Holman, James Bradley Holman, James B		Vin	1615 Swann St. N. W.
College Fray, John Aaron A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Frisdland, Karl Benjamin Fuller, C. T. Bueton A. B., 1915, Central University of Iowa Fuller, Wiley Maddson Luiversity of Texas Furlow, Allen John Goldmard, Harry Samuel Graves, John Timple, Jr. Litt. B., 1915, Princeton University Grego, Lewis Judson Hammond, James Morris Stanford University; University of California Heckman, William Jacon Herry, Condon Caywood A. B., 1915, George Washington University *Holman, James Bradley Holman, James Holman Holman, James Holman Ho	A. M., 1906, Randolph-Macon		***************************************
FRAY, JOHN AARON A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University FREY, CRARLES MILLARD A. B., University of Nebraska FRISDLAND, KARL BENIAMIN FULLER, C. T. HURTON A. B., 1915, Central University of Iowa FULLER, WHEY MADISON FULLER, WHEY MADISON FULLER, WHEY MADISON GOLDBURG, HERRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, LEWIS JUDSON HAMMOND, JAMES MORRIS STANFORD, JAMES MORRIS STANFORD UNIVERSITY; University of California HECEMAN, WILLIAM JACOS HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University HOLMAN, JAMES BRADLEY HOLMAN JAM			
College L. L. B., Oct. 1919, George Washington University FREY, CHARLES MILLARD A. B., University of Nebraska FRIEDLAND, KARL BENIAMIN FULLER, C. T. HUBTON A. B., 1915, Central University of Iowa FULLER, WHEY MADISON University of Texas FURLOW, ALLEN JOHN GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, LEWIS JUDSON HAMMOND, JAMES MORRIS STANFORD, JAMES MORRIS STANFORD UNIVERSITY; University of California HECKMAN, WILLIAM JACON HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University HOLMAN, JAMES BRADLEY HOLMON, EDWAMN ANDON A. B., 1915, GUSTAVIB Adolphus College JAMES, MAXWELL B. S., 1913, College of the		Cal	Wardman Park Hotel
College L. L. B., Oct. 1919, George Washington University Frey, Charles Millard A. B., University of Nebraska Friedland, Karl Benjamin Fuller, C. T. Burston A. B., 1915, Central University of Iowa Fuller, Wiley Maddson University of Texas Furlow, Allen John Goldder, Harry Samuel Goldder, Harry Samuel Goldder, Harry Samuel Goldder, Harry Samuel Gordder, Harry Samuel Goldder, Judson Litl B., 1915, Princeton University Grego, Lewis Judson Hamcond, James Morris Stanford University; University of California Heckman, William Jacon Henny, Condor Caywood Tona. A. B., 1915, George Washington University Holman, James Bradley Jacobson, Edward Anton A. B., 1915, Gustavie Adolphus College James, Maxwell B. S., 1913, College of the	A. B., 1909, Missouri Valley		
FRY. CRARLES MILLARD A. B., University of Nebraska FRIEDLAND, KARL BENJAMIN FULLER, C. T. BURTON A. B., 1915, Central University of Iowa FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBERG, TLARRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGO, Lawis Judson HAMPOND, JAMES MORRIS Stanford University; University of California HERCHAN, WILLIAM JACOB HENRY, CONDER CAYWOOD A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, JAMES BRADLEY HOLMANDON A. B., 1915, George Washington University N. H. R. 605, Y. M. C. A. 1101 Enclid St. N. W. JACOBON, EDWARD ANTON A. B., 1915, Guieravin Adolphus Collego JAMES, MALWELL B. S., 1913, College of the	College		
FRY. CRARLES MILLARD A. B., University of Nebraska FRIEDLAND, KARL BENJAMIN FULLER, C. T. BURTON A. B., 1915, Central University of Iowa FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBERG, TLARRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGO, Lawis Judson HAMPOND, JAMES MORRIS Stanford University; University of California HERCHAN, WILLIAM JACOB HENRY, CONDER CAYWOOD A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, JAMES BRADLEY HOLMANDON A. B., 1915, George Washington University N. H. R. 605, Y. M. C. A. 1101 Enclid St. N. W. JACOBON, EDWARD ANTON A. B., 1915, Guieravin Adolphus Collego JAMES, MALWELL B. S., 1913, College of the	L. L. B., Oct. 1919, George		
A. B., University of Nebraska Friedland, Karl Benjamin Utah Fuller, C. T. Burton A. B., 1915, Central University of Iowa Fuller, Whey Madison Tex. 49 T St. N. W. University of Texas Furlow, Allen John Minn. 1821 Jefferson Place Goldmend, Harry Samuel Conn. 459 M St. N. W. Graves, John Temple, Jr. Litt. B., 1915, Princeton University Grego, Lewis Judson Mich. 26 14th St. N. E. Hampond, James Morris Stanford University; University of California Heckman, William Jacon Hendry, Conden Caywood Tonn. A. B., 1915, George Washington University *Holman, James Bradley Holman,	Washington University		40 40 mm m
Nebraska Friedland, Karl Benjamin Fuller, C. T. Herfon A. B., 1915, Central University of Iowa Fuller, Wiley Madison University of Texas Furlow, Allen Joen Golding, Harry Samuel Conn. Graves, John Temple, Jr. Litt. B., 1915, Princeton University Gregg, Lewis Judson Hammond, James Morris Stanford University; University of California Heckman, William Jacon Henry, Condon Caywood A. B., 1915, George Washington University *Holman, James Bradley Holman, James Bradley Jacobson, Edward Anton A. B., 1915, Gustavin Adolphus College James, Maxwell B. S., 1913, College of the		Neb.	Y. M. C. A.
FRIEDLAND, KARL BENJAMIN FULLER, C. T. RUBTON A. B., 1915, Central University of Iowa FULLER, WHEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDMERG, RILERY SAMUEL GOLDMERG, TEXERY SAMUEL GOLDMERG, TEXERY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, LEWIS JUDSON HAMPSOND, JAMES MORRIS STANFORD, JAMES MORRIS STANFORD CANIFORM Nev. STANFORD, JAMES MORRIS STANFORD CANIFORM IOWA HENRY, CONDER CAYWOOD A. B., 1915, George Washington University HOLMAN, JAMES BRADLEY HOLMANDER, SAMUEL THEODORE JACOBSON, EDWARD ANTON A. B., 1915, Guietavin Adolphus Collego JAMES, MALWELL B. S., 1913, College of the	A. B., University of		
University of Iowa FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBERG, HARRY SAMUEL GOLDBERG, HARRY SAMUEL GREVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, Lawis Judson HAMPOND, JAMES MORRIS Stanford University; University of California HERRIAN, WILLIAM JACOB HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, JA	Nebraska	water.	
University of Iowa FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBERG, HARRY SAMUEL GOLDBERG, HARRY SAMUEL GREVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, Lawis Judson HAMPOND, JAMES MORRIS Stanford University; University of California HERRIAN, WILLIAM JACOB HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, JA	FRIEDLAND, KARL BENJAMIN		MARIE A N. W.
University of Iowa FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBERG, HARRY SAMUEL GOLDBERG, HARRY SAMUEL GOLDBERG, HARRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GERGG, LEWIE JUDSON HAMMOND, JAMES MORRIS Stanford University; University of California HECKHAN, WILLIAM JACOB HENDRY, CONDOR CAYWOOD A. B., 1915, George Washington University HOLMAN, JAMES BRADLEY HOLMAN, SAMUEL THEODORE JACOBSON, EDWARD ANTON A. B., 1915, Gustavum Adolphus College JAMES, MAXWELL B. S., 1913, College of the	FULLER, C. T. HURTON	Lowa	4317 Iowa Ave. N. W.
FULLER, WILEY MADISON University of Texas FURLOW, ALLEN JOHN GOLDBURG, HARRY SAMUEL GOLDBURG, HARRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGO, LEWIS JUDSON HAMMOND, JAMES MORRIS Stanford University; University of California HECKMAN, WILLIAM JACON HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University "HOLMAN, JAMES BRADLEY HOLMGREN, SAMUEL THEODORE HITED, CAVO BYMOGE JACONSON, EDWARD ANTON A. B., 1915, Gustavum Adolphus Collego JAMES, MARWELL B. S., 1913, College of the			
University of Texas FURLOW, ALLEN JOHN GOLDBERG, HLERY SAMUEL GOLDBERG, HLERY SAMUEL GOLDBERG, HARPES, JR. Litt. B., 1915, Princeton University GREGO, Lawis Judson HAMPEOND, JAMES MORRIS Stanford University; University of California HEECMAN, WILLIAM JACOR HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, J		There	40 T St N W
FURLOW, ALLEN JOHN GOLDHERG, HARRY SAMUEL GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University GREGG, Lawis Judson HAMPOND, JAMES MORRIS Stanford University; University of California HERRIAN, WILLIAM JACOB IOWA HENRY, CONDER CAYWOOD Tenn. A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY HOLMAN, JAMES BRA		1 000	49 1 56 3. 11.
Goldberg, Herry Samuel. Conn. Graves, John Temple, Jr. Litt. B., 1915, Princeton University Grego, Lawre Judson Mich. Handson, James Morris Stanford University; University of California Heckman, William Jacon Heckman, William Jacon Heckman, William Jacon Tonn. A. B., 1915, George Washington University Holman, James Bradley Holma	Contain Arrest Louis	Minn	1821 Jofferson Place
Graves, John Temple, Jr. Litt. B., 1915, Princeton University Grego, Lewis Judson Hampond, Lames Morris Heckman, William Jacon Hendry, Conden Caywood University *Holman, James Bradley Holman, James Bradley James, Marwell R. B., 1915, Gustavin Adolphus College James, Marwell R. S., 1913, College of the	Corners Haves Same		
Litt. B., 1915, Princeton University Gergg, Lawie Judson Mich. 26 14th St. N. E. Hamyond, James Morris Nev. 1219 Eye St. Stanford University; University of California Heckman, William Jacon Iowa Henry, Conder Caywood Tenn. A. B., 1915, George Washington University "Holman, James Bradley D. C. 1223 K St. N. U. Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1015 K St. N. W. Holman, James Bradley D. C. 1223 K St. N. W. Holman, Cavo Brodon N. H. R. 605, Y. M. C. A. Hitzd, Cavo Brodon Ind. Jaconson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavin Adolphus Collego James, Marwell N. Y. 1020 Fairmont St. B. S., 1913, College of the			
Chiversity Geegg, Lawes Judson Mich. 26 14th St. N. E. Hammond, James Morris Nev. 1219 Eye St. Stanford University; University of California Heckman, William Jacon Iowa Henry, Condon Caywood Tonn. 907 L St. N. E. A. B., 1915, George Washington University "Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1203 K St. N. W. Holman, James Bradley D. C. 1200 K St. N. W. Jaconson, Edward Anton Minn. Y. M. C. A. Adolphus College James, Marwell N. Y. 1020 Fairmont St. B. S., 1913, College of the	Lies B 1015 Princeton	And the	Curioned some
GREGG, Lewis Judson Mich. HAMPOND, JAMES MORRIS Stanford University; University of California HECKMAN, WILLIAM JACOB IOWA HENRY, CONDOR CAYWOOD TORN. A. B., 1915, George Washington University "HOLMAN, JAMES BRADLEY D. C. HOLMAN, JAMES BRADLEY D. C. HOLMA			
Hanneond, James Morris Stanford University; University of California Heckman, William Jacon Hendry, Condon Caywood Tonn. A. B., 1015, George Washington University Holman, James Bradley Jacobson, Edward Anton A. B., 1015, Gustavin Adolphus College James, Marwell B. S., 1013, College of the		Mich.	26 14th St. N. E.
Stanford University; University of California HECKMAN, WILLIAM JACOB TOWN. HENRY, CONDOR CAYWOOD TOWN. A. B., 1913, George Washington University *HOLMAN, JAMES BRADLEY D. C. 1223 K St. N. W. HOLMGREN, SAMUEL THEODORE N. H. HIERD, CATO RUMBOR Ind. JACOBSON, EDWARD ANTON MIDE. A. B., 1915, Gustavum Adolphus College JAMES, MARWELL N. Y. M. C. A. B. S., 1913, College of the	HAMMOND, JAMES MORRIS		
University of California HECKMAN, WILLIAM JACOB TOWN HENRY, CONDOR CAYWOOD TOWN. A. B., 1915, George Washington University *HOLMAN, JAMES BRADLEY D. C. 1223 K St. N. U. HOLMGREN, SAMUEL THEODORE N. H. HIED, CATO RUMON Ind. JACOBSON, EDWARD ANTON MINN. A. B., 1915, Gustavum Adolphus College JAMES, MARWELL N. Y. M. C. A. B. S., 1913, College of the			
HECKMAN, WILLIAM JACOB IOWA HENDY, CONDON CAYWOOD TOAN. A. B., 1915, George Washington University HOLMAN, JAMES BRADLEY D. C. 1223 K St. N. W. HOLMGREN, SAMUEL THEODORE N. H. R. 605, Y. M. C. A. HIERD, CATO ROMOOD IOd. JACOBSON, EDWARD ANTON MIRE. Adolphus College JAMES, MARWELL N. Y. M. C. A. B. 8, 1913, College of the			
Henry, Conder Caywood A. B., 1915, George Washington University "Holman, James Bradley D. C. 1223 K St. N. W. Holman, James Bradley D. C. 1223 K St. N. W. Holman, Samoll Theodore N. H. R. 605, Y. M. C. A. Hird, Cavo Rumor Ind. 1101 Enclid St. N. W. Jacobson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavin Adolphus College James, Marwell N. Y. 1020 Fairmont St. B. S., 1913, College of the	HECKMAN, WILLIAM JACOB	Iowa	1339 Vermont Avenue N. W.
A. B., 1915, George Washington University *Holman, James Bradley D. C. 1223 K St. N. W. Holman, Samuel Theodore N. H. R. 605, Y. M. C. A. Hired, Cave Ryamore Ind. 1101 Enclid St. N. W. Jaconson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavin Adolphus College James, Marwell N. Y. 1020 Fairmont St. B. S., 1913, College of the	HENRY, CONDOR CAYWOOD	Tonn.	907 L St. N. E.
*Holman, James Bradley D. C. 1223 K St. N. W. Holmsen, Samuel Theodore N. H. R. 605, Y. M. C. A. Herd, Cave Rymon Ind. 1101 Enclid St. N. W. Jacobson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavin Adolphia College James, Marwell R. S., 1913, College of the	A. B., 1915, George Washingto	11	
Holmgree, Samuel Theodore N. H. R. 605, Y. M. C. A. Herr, Cave Rymon Ind. 1101 Enclid St. N. W. Jacobson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavun Adolphus College James, Marwell N. Y. 1020 Fairmont St. B. S., 1913, College of the			Annual Street
Jacobson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavus Adolphus College James, Maxwert. B. S., 1913, College of the	*HOLMAN, JAMES BRADLEY		1223 K St. N. W.
Jacobson, Edward Anton Minn. Y. M. C. A. A. B., 1915, Gustavus Adolphus College James, Maxwert. B. S., 1913, College of the	HOLMGREN, SAMULL THEODORE		R. 605, Y. M. C. A.
A. B., 1915, Gustavus Adolphus College James, Marwell B. S., 1913, College of the	LICED, CATO ROUDOR		1101 Finelid St. N. W.
B. S., 1913, College of the	JACOBSON, EDWARD ANTON	Minn.	Y. M. C. A.
B. S., 1913, College of the	S. B. 1910, Gustavan		
B. S., 1013, College of the	Large Manager	Nº 10	1000 Palmont 91
TE CA FOLO, CODETE EL ILIO		N. Y.	1020 Fairmont St.
City of New York	City of New York		

	7 7	
4.	Legal	Address
Name	Residence	1450 Harvard St.
"Jones, Hyland Righten.	Pa.	I TOO INSTRUMENT OF
B. S. in E. E. 1913,		
University of Pennsylvania	S. C.	300 Southern Building
*Kennedy, James Auther	Or Par	300 Continue Continue
Richmond College		
KILMARTIN, HORESET	13 /1	1400 Nam ton St
CHARLES, JR.	D. C.	1489 Newton St. 721 Taylor St. N. W.
KINNEL, JOSEPH WESLEY	Pa.	Northbough Courts
LANDERS, NORMAN LINCOLN	lows	Northbrook Courts, 16th and Newton Sts.
A. B., Lenex College,		Total and Acadou
Hopkinson, Iowa	3.5-	1906 N St. N. W.
LAVERY, THOMAS CLAFFEY	Mo.	THOO IS CO. 18. 75.
Valparaiso University	1177	out total. Or
LEHNER, OTTO PHILIP	Wis.	917 18th St.
LUBR, MILTON ANTHONY	Oluo	5517 Colorado Avenue
LEVINSON, CHARLES WILLIAM	Md.	623 M St.
A. B., 1915, Johns		
Hopkins University	***	
LOGGINS, JAMES LLWYN	Tenn.	numer a trade Cal
MANNING, ELLIS WOOSTER	Ohim	1826 17th St.
Manning, Luoy Rains	Okla.	1826 17th St.
MARKHUS, ANDREW	Linho	50s 19th St.
A. B., University of Idaho		818 Connection Avenue
"MAYERS, LEWIS	N. Y.	STS Commercial Avenue
Ph. D., 1914, Columbia		
University; A. B., 1910. College of City of New York;		
College of City of New York;		
A. M., 1912, University of		
Wisconsin	W. L. S.	729 North Capitol St.
MESEKE, FRANK BENNETT	Ind.	23) North Calum Cc
Ph. B., 1912, University of		
Chicago	44.0	Federal Trade Commission
*MILLER, HENRY	167.	Federal JES & Commission
MORGAN, LINTON	Aria.	2106 F.St. N. W.
*Mozingo, Harley I. Murphy, Robert Daniel	Colo.	1739 P.St. N. W. 1844 Vermont Avenue N. W.
MURPHY, ROBERT DANIEL	Wis.	1344 Vermont Avenue 24. 11.
Marquette University	-	12.12 17.11 Et N W
MURRELL, HUGH LOFTUS	Testo.	1725 17th St. N. W.
NELSON, LEROY WALTER	Neta.	530 20th St. N. W. 1422 Marsharetts Avenue
Noble, Lew Matrice	Mc.	1422 Min at the case Avenue
A. B., 1916, Bowdoin College		ALTON VICTORIA ASSOCIATION
O'BRIEN, PATRICK LAMBERT	Lisho	1100 Vermont Avenue
PARST, BERTHA ELIZABETH	N. Y.	4622 15th St. N. W.
Adelphi College	VI. 24	LOWER CLAY W.
PALTRIDGE, GLORGE HENRY	D. C.	1222 O St. N. W.
A. B., 1918, George		
Washington University		
L. L. B., Feb. 1920, George		
Washington University	X 1	IT & Detant (Miles
PARIS, ISRAEL	Mass.	U. S. Patent (Viley
S. B., 1914, Massachusotts Institute of Technology		
Institute of Technology	1.8-	1999 Web Cr 32 W
PATTRICK, JOHN HEZZIE	Mo.	1323 10th St. N. W.
A. B. & B. S. in Ed., 1912,		
U.niver ity of Missouri		

	Local	
37	Legal Residence	Address
21 01110	Md.	Rockville, Md.
Peter, Robert George Washington University	MIG.	Total vine, Mar.
PORTER, HERBERT HENDERSON	Va.	Clarendon, Va.
Massachusetts Institute of Technology		
RANDALL, CARLTON MORRELL	Pa.	Y. M. C. A.
RAYMOND, MARY JANE	D. C.	1224 Euclid St. N. W
REGES, MAXIMILIAN F.	N. J.	R. 308, Patent Office
George Washington University		
RICHARDSON, HENRY JEFFERSON	Ark.	1427 Chapin St.
RYAN, MARK JOSEPH	N. X.	1431 L St. N. W.
SCHWERTNER, FRITZ	D. C.	326 C St. S. W.
†SHALLNA, ANTHONY OBWALD	Pa.	Department of Justice
A. B., Cornell University	D 0	TI S D-tont Office
SHAPPIRO, SOLOMON	D. C.	U. S. Patent Office
B. Ch., 1915, University of		
Michigan	D. C.	1161 Neal St. N. E.
SHEA, JAMES PATRICK	D. C.	1101 14681 56, 14, 15,
A. B., 1915, Georgetown		
College	N. D.	Y. M. C. A.
*SHORB, PAUL EDGAR A. B., 1917, University of	21. 20.	
North Dakota		
STAFFORD, HAROLD EMERSON	Wis.	Treasury Department
STANLEY, ABE WALLINGFORD	Mo.	Y. M. C. A.
University of Missouri		
STEELE, FRANCIS WILLARD	W. Va.	Bureau of War Risk In-
University of West		surance
Virginia	-	D 400 W Off - Duilding
STRONG, GEORGE EUGENE	Kans.	R. 189, House Office Building
Ph. B., 1917, University of		
Chicago; A. B., 1919,		
University of Kansas	(1)	205 Wardman Courts, West
*Tomlinson, John Pride	Tenn.	205 Wardman Courts, West
A. B., 1914, University of		
the South	Fla.	1829 19th St. N. W.
TOWNSEND, JOHN WILLIAM	T. 100	2020 2001 00 21
Southwestern Presbyterian University		
Turp, James Sowden	N. J.	608 22d St. N. W.
VAN METER, ARTHUR	Ohio	5210 Illinois Avenue N. W.
A. B., 1913, Ohio State		
University		
VAN MOSS, BERT	Okla.	2406 14th St. N. W.
WATERS, DANIEL JAMES	D. C.	1800 K St. N. W.
WRIGHT, LEWIS A.	D. C.	517 Cedar St.
Lehigh University		Takoma Park, D. C.

CANDIDATES FOR DEGREE OF MASTER OF LAWS

ALEXANDER, WALTER
RICHARDSON
LL. B., 1917, George
Washington University

Mo. 1313 R. I. Avenue N. W.

	Legal	Address
24 (27)00	Residence	Address 1100 Vermont Avenue
BIRMINGHAM, JOHN THOMAS LL. B., 1918, George Washington University	Conn.	1100 Vermont Avenue
Bremer, Edward George LL. B., 1919, George Washington University	Minn.	
*Brooks, Gerald W. LL. B., 1916, University of Buffalo	N. Y.	309 B St. N. E.
†Burrows, Tremaine Kellogg A. B., 1897, University of Nebraska; L. L. B., 1917, George Washington University	N. Y.	6902 15th St. Takoma Park, D. C.
CARTER, GEORGE HENRY Ph. B., 1898, State University of Iowa; L. L. B., Feb. 1920, George	Iowa	1661 Hobart St.
Washington University *Denit, Louis Malvern LL. B., 1918, George	D. C.	204 10th St. N. E.
Washington University Fast, Arthur Herman A. B., 1909, Baker University; LL. B., 1912,	Kans.	1229 12th St.
University of Kansas †Flickinger, Samuel John LL. B., 1918, George	N. J.	2511 14th St. N. W.
Washington University FOOKS, HERBERT CLARENCE A. B., 1906, St. Johns College; LL. B., 1916,	D. C.	2006 R St.
University of Idaho *HARDEN, FRED GEER A. B., 1907, A. M., 1908, University of Nebraska; LL. B., 1919, George Washington	Nebr.	1468 Harvard St. N. W.
University MILLER, CLARENCE ALTHA LL. B., 1919, George	Pa.	Apt. 3, The Hirmhurst
Washington University MILLER, HENRY LL. B., Feb., 1920, George	Ky.	Federal Trade Commission
Washington University †Morrow, Henry Bascom, Jr. LL. B., 1917, George	Tenn.	2511 14th St.
Washington University PALTRIDGE, GEORGE HENRY A. B., 1918, George	D. C.	1222 O St. N. W.
Washington University; LL. B., Feb., 1920, George Washington University	De	2511 14th St. N. W.
†Parmelee, William Horace LL. B., 1918, George Washington University	Pa.	2011 11ttl Ot. N. W.

Legal Residence	Address
D. C.	1401 Columbia Rd.
3.,	-
D. C.	Y. M. C. A.
Md.	911 Massachusetts Avenue
Wis.	1828 G St. N. W.
D. C.	The Cecil Apartment
S. C.	221 East Capitol St.
P. I.	Central Y. M. C. A.
D. C.	2006 F St. N. W.
Ind	2129 G St. N. W.
D. C.	3301 Highland Place
	Md. Wis. D. C. S. C. Md. Wis. D. C. Ind D. C.

SPECIAL STUDENTS

†Adams, Franklin Launcelot A. B., 1900, Boston University; A. M., 1908,	P. R.	1214 Michigan Avenue N. E.
Dartmouth College *Allen, Charles Risdon *Bannon, Pauline Bledsoe, Harrison Warren Blehr, Francis Morris Boysen, Alfred Breen, Emma B. *Brockwell, Joseph Matile Brown, Herbert Harold Oxford University	D. C. Md. Kans. Minn. D. C. Tex. D. C. Mass.	1912 1st St. N. W. Shoreham Hotel 1100 Vermont Avenue 1121 Eye St. Federal Reserve Board The Burlington Hotel 1259 Morse St. N. E. 234 M St. N. W.

**	Legal	Address
*Rossian William	Residence D. C.	Address 1216 D St. S. E.
*Bruner, Wilbur Kice Callister, Norval	D. C.	1210 D St. 15. 12.
Eddington	Utah	3151 Mt. Pleasant St. N. W.
	N. C.	100 N. C. Avenue S. E.
Casey, Andrew Harrison *Chisholm, Theodore Livings B. E., Johns Hopkins Univer- sity	Md.	105 Patent Office
*CLAVALAUX, IRENE CATHERINE	D. C.	2000 North Capitol St.
COLLINS, SPENCER	Utah	Apt. 42, The Monticello
"COLLINS, WILLIAM STUART	Ga.	1500 20th St. N. W.
†Cook, Emerson Collins	D. C.	2006 N St. N. W.
CRATER, WILLIAM PARKE	N. C.	227 East Capitol St.
CUNNINGHAM, RAY JESSE	Utah	2523 13th St. N. W. The Portner
DeBrodes, George Victor	D. C. Wash.	200 4th St. S. E.
DUFFY, MAURICE MATTHEW	N. Y.	A-B Bldg., Govt. Hotels
DUNLEAVY, MARGARET MARIE *DWYER, WILLIAM HENRY	Me.	20 Cedar Avenue.
WILLIAM HENRI	274 ()	20 Cedar Avenue, Takoma Park, Md.
*Eckert, Charles	D. C.	1030 Kenyon St.
Egan, Hildred	Wis.	Zone Finance Office
"FLING, RICHARD HENRY	Va.	Clarks Gag, Va.
*FOGARTY, FRANCIS XAVIER	D. C.	918 Va. Avenue S. W.
FOOKS, HERBERT CLARENCE A. B., 1906, St. Johns College; LL. B., 1916, University of Idaho	D. C.	2006 R Street
*FREDO, MICHAEL A.	N. Y.	504 F St. N. E.
GRAFF, ISADORE	Wis.	904 Westminster St.
GRYCE, SELMA STEINFORT A. B., University of Wisconsin	N. D.	132 3d St. S. E.
HANSEN, JOSEPH BENJAMIN	Ill.	3618 10th St.
*Hanson, Hans	Wis.	1445 Fairmont St.
*HANSON, HANS †HARRIS, FLETCHER WOOLTEN	Ga.	115 C St. S. E.
A. B., 1911, Bucknell College	Pa.	2609 Munsey Building
HAVELICK, FRANCIS JAMES	Minn.	Naval Medical School
*HEIST, LUTHER H.	Pa.	1739 P St.
*Heist, Luther H. Hicks, Henry Cheston	Pa.	1736 G St. N. W.
A. B., 1914, Dickinson		
College *HICKERS P.	m	Department of Justice
*HIGHTOWER, DAN	Tex.	1619 H St. N. W.
†HILL, RICHARD HARRISON A. B., 1905, Princeton	Ky.	1010 11 00 20
University; LL. B., 1912,		
Harvard Law School		
HOFSTEAD, JOHN ANDREW	N. D.	2413 M St.
HOLWEGNER, FRED	N. D.	1707 North Capitol St.
HUDGENS, ROBERT WATTS	S. C.	Bradford Apartments
B. S., 1915, The Military College of South Carolina		
t Larray Tour South Carolina	0.1	1007 15th St N W
TAMES, JOSEPH PIERSON	Cal.	1907 15th St. N. W.
LL. B., 1916, George Washington University		

Name *Kaldenbach, Arthur William D. C. †Kay, Harold Thomas *Kaldenbach, Arthur William D. C. †Kay, Harold Thomas *Kelly, John Edward *Kelly, John Edward *Kittich, Zivoyin Todorovich *Klein, Sam Ala. *Louesell Brackett Lethem, Raymond Rene Lindner, Edward Thomas *Love, Olive Durgin Love, Olive Jakasa Love, Olive Jakasa Love, Olive Jakasa Love, Olive,			
*KALDENBACH, ARTHUR WILLIAM D. C. †KAY, HAROLD THOMAS †KELLY, JOHN EDWARD KKELLY, JOHN EDWARD KKLIMA, SAM TODOROVICH *KLEIN, SAM KLIMA, STANLEY V. LAKE, RUSSELL BRACKETT LETHEM, RAYMOND RENE LINDNER, EDWARD THOMAS *LOVE, OLIVE DURGIN LOVELESS, WARD MARCINSKI, FRANK D. C. †MASSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University MCKEE, HUDSON MCLAUGHLIN, ANNA GERTRUDE †MICOU, CRESWELL MACMURRAY *MILLER, CHARLES S. A. B., LL. B., LOUISIANA State University *MILLER, CLYDE PAYNE MONTY, WILLIS ELLSWORTH LL. B., 1916, George Washington University †MOORE, JAMES BALLARD UNIVERSITY †MOORE, JAMES BALLARD LL. B., 1913, George Washington University O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., Georgetown Law School †PAUL, ALBERT HARDING UNIVERSITY O'BRIEN, CLARENCE ABBOTT LL. B., Georgetown Luniversity O'BRIEN, CLARENCE ABBOTT LL B., Georgetown Luniversity O'BRIEN, CLARENCE ABBOTT LL B., Georgetown Luniversity O'BRIEN, CLARE			4.11
*Krelly, John Edward Kimbrel, Madge *Kittich, Zivotin Todorovich *Klein, Sam Klima, Stanley V. Lake, Russell Brackett Lethen, Raymond Rene Linder, Edward Thomas *Love, Olive Durgin Loveless, Ward Marcinski, Frank *D. C. Linder, Edward Thomas *Love, Olive Durgin Loveless, Ward Marcinski, Frank *D. C. Loveless, Ward Marcinski, Frank D. C. *Ala. 1022 9th St. 1282 K St. 1800 Eye St.			Address
Relly, John Edward Rimbrel, Madge Rittlef, Zivoyin Todorovich Serbia Ala. 1022 9th St. 1022 9th	*KALDENBACH, ARTHUR WILLIAM	D. C.	100 D St N E
KIMBREL, MADGE *KITTICH, ZIVOYIN TODOROVICH *KLEIN, SAM KLIMA, STANLEY V. LAKE, RUSSELL BRACKETT LETHEM, RAYMOND RENE LINDER, EDWARD THOMAS *LOVE, OLIVE DURGIN LOVELESS, WARD MARCINSKI, FRANK LOVELESS, WARD MARCINSKI, FRANK Ala. *LOVELESS, WARD MARCINSKI, FRANK D. C. *MASSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University MCKLEGHIM, ANNA GERTRUDE MACMURRAY *MILLER, CHAPLES S. A. B., LL. B., Louisiana State University *MILLER, CHAPLES S. A. B., LL. B., LOUISIANA State University MOORE, JAMES BALLARD LL. B., 1913, George Washington University *O'BIJERN, CLARENE ABBOTT LL. B., M. P. L., Georgetown Law School JPAUL, ALBERT HARDING UNIVERSITY O'BIJERN, CLARENE ABBOTT LL. B., M. P. L., Georgetown Law School JPAUL, ALBERT HARDING UNIVERSITY O'BIJERN, CLARENE ABBOTT LL. B., GLORE ABBOTT LL. B., GEORGE WASHINGTON LUAH PAUL, ALBERT HARDING UNIVERSITY O'BIJERN, CLARENCE ABBOTT LL. B., GEORGETOWN LAW SCHOOL LAW	†KAY, HAROLD THOMAS		
*Kittich, Zivoyin Todorovich *Klein, Sam Ala. 1322 L St. 1022 9th St.	†Kelly, John Edward		
TODOROVICH *KLIEN, SAM KLIMA, STANLEY V. LAKE, RUSSELL BRACKETT LETHEM, RAYMOND RENE LINDRER, EDWARD THOMAS *LOVE, OLIVE DURGIN *LOVELESS, WARD MARCINSKI, FRANK LOC. LOVELESS, WARD MARCINSKI, FRANK Ala. Ala. Ala. 1822 L St. 1826 Kilbourne Place Mass. 1842 Calvert St. 1800 Eye St. LETHEM, RAYMOND RENE LOC. 1800 Eye St. 4428 Kansas Avenue 7448 Alton Place, Tenleytown, D. C. 201 E St. S. E. 4424 Alton Place, Tenleytown, D. C. 201 E St. S. E. 4420 21st St. 601½ 4th St. The Toronto A. B., LL. B., Louisiana State University MCKEE, HUDSON MONTY, WILLIE ELLSWORTH LL. B., 1916, George Washington University MOORE, JAMES BALLARD LL. B., 1913, George Washington University *O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School PAUL, Albert Harding University of Utah *RADINOFF, VASILE V. REANY, JAMES A. ROMEY, VERNON *ROWE, LILY LYKES A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLISE BARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University Mont. 1759 Euclid St. Pax. Box 127, Rockville, Md.	KIMBREL, MADGE	Ind.	1338 R St.
*Klein, Sam Klima, Stanley V. Lake, Russell Brackett Lethem, Raymond Rene Linder, Raymond Rene Linder, Cheward Thomas *Loveless, Ward Marcinski, Frank *Massey, Jerry C. LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McKler, Hudson McLaughlin, Anna Gertrude †Micou, Creswell MacMurray *Miller, Charles S. A. B., Ll. B., Louisiana State University *Miller, Chyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University †Moore, James Ballard University *O'Brien, Clarence Abbott LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Nowe, Lily Lykes Saburi, Sadoo D. C. *Shaw, Charles Owen LL. B., Georgetown University Shelton, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. Georgia, A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University Smith, Harold C. George Washington University Saith, Harold C. George Washington University Saith, Harold C. George Washington University Saith, Harold C. Tex. Box 127, Rockville, Md.	*KITTICH, ZIVOYIN	~	1000 T G
KLIMA, STANLEY V. LAKE, RUSSELL BRACKETT LETHEM, RAYMOND RENE LINDNER, EDWARD THOMAS *LOVE, OLIVE DURGIN LOVELESS, WARD MARCINSKI, FRANK LOVELESS, WARD MARSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McLaughlin, Anna Gertrude †Micou, Creswell MacMurray MILLER, Charles S. A. B., I.L. B., Louisiana State University McMere, Ciyde Payne Monty, Willis Elsworth LL. B., 1916, George Washington University Moore, James Ballard University O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University O'Utah *Radinoff, Vasile V. Reany, James A. Romey, Lily Lykes Saburi, Sadao *Bowe, Lily Lykes Saburi, Sadao *Bore Chiego Mont. Tex. Box 127, Rockville, Md. George Washington University Mont. 1759 Euclid St. 1842 Calvert St. 1844 Calvert St. 1842 Calvert St. 1844 Calvert St. 1842 Calvert St. 1842 Calvert St.	Todorovich	Serbia	
LAKE, RUSSELL BRACKETT LETHEM, RATMOND RENE LINDNER, EDWARD THOMAS *LOVE, OLIVE DURGIN LOVELESS, WARD MARCINSKI, FRANK LOVELESS, WARD MARCINSKI, FRANK Ala. B. Ala. Ala. Ala. B. Ala. Ala. B. Ala. B. Ala. Ala. B. Ala. Ala. B.	*KLEIN, SAM		
LAKE, RUSSELL BRACKETT LETHEM, RATMOND RENE LINDNER, EDWARD THOMAS *LOVE, OLIVE DURGIN LOVELESS, WARD MARCINSKI, FRANK LOVELESS, WARD MARCINSKI, FRANK Ala. B. Ala. Ala. Ala. B. Ala. Ala. B. Ala. B. Ala. Ala. B. Ala. Ala. B.	KLIMA, STANLEY V.		
LETHEM, RAYMOND RENE LINDNER, EDWARD THOMAS LOVELESS, WARD MARCINSKI, FRANK LOVELESS, WARD MARCINSKI, FRANK MARCINSKI, FRANK D. C. MASSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University MCKEE, HUDSON MCLAUGHLIN, ANNA GERTRUDE MACMURRAY MILLER, CLARENES S. A. B., LL. B., Louisiana State University MILLER, CLYDE PAYNE MONTY, WILLIS ELLSWORTH LL. B., 1913, George Washington University MOORE, JAMES BALLARD LL. B., M. P. L., Georgetown Law School PAUL, ALBERT HARDING University of Utah "RADINOFF, VASILE V. REANY, JAMES A. ROWE, LILY LYKES SABURI, SADAO "SHAW, CHARLES OWEN LL. B., Georgetown University SHELTON, WILLISE ARL Ph. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLISE EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLO C. George Washington University Mala 2428 Kansas Avenue 3748 McKinley St. Chevy Chase, D. C. 1420 21st St. 4444 Alton Place, Tenleytown, D. C. 2400 16th St. N. W. The Toronto 4428 Kansas Avenue 3748 McKinley St. Chevy Chase, D. C. 1420 21st St. 6011/4 4th St. 1420 21st St. 6011/4 2th St. 1420 21st St. 1420 21st St. 6011/4 2th St. 1420 21st St. 1420 21st St. 6011/4 2th St. 1420 21st St. 6011/4 2th St. 1420 21st St. 6011/4 2th St. 1420 21st St. 601/4 St. 1420 21st St. 601/4 St. 1420 21st St. 601/4 St. 914 Cairo Apartment 707 22nd St. 1420 21st St. 1420 21st St.	LAKE, KUSSELL DRACKETT	Mass.	
Alaska *Love, Olive Durgin *Love, Olive Durgin Loveless, Ward Marcinski, Frank Loveless, Ward Marcinski, Frank Marcinski, Frank D. C. Massey, Jerry C. Ll. B., Ll. M., N. P. L., Georgetown University McKee, Hudden University McKee, Hudden University MacMurray MacMurray MacMurray Miller, Charles S. A. B., Ll. B., Louisiana State University Mont, Willie Ellsworth Ll. B., 1913, George Washington University Moore, James Ballard Ll. B., 1913, George Washington University O'Brien, Clarence Abbott Ll. B., M. P. L., Georgetown Law School Paul, Albert Harding University of Utah Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lity Lykes Saduri, Sadao Sanuri, Sadao Sanuri, Sadao D. C. 601 Washington Loan & Trust Bldg. W. M. C. A. 1016 11th St. 1016 11th St. 1016 11th St. 1016 11th St. 1017 M. C. A. 1018 11th St. 1019 4th St. S. E. 1923 K St. 100 4th St. S. E. 1923 K St. 100 4th St. S. E. 1923 K St. 100 4th St. S. E. 101 4th Woodward Building D. C. 2311 Tennyson St. Chevy Chase, D. C. Chevy	LETHEM, RAYMOND RENE	D. C.	
*Love, Olive Durgin D. C. Starkeriney St. C. Chevy Chase, D. C. Loveless, Ward Marcinski, Frank D. C. 1403 15th St. 4444 Alton Place, Tenleytown, D. C. 1420 21st St. 4444 Alton Place, Tenleytown, D. C. 201 E St. S. E. 1420 21st St. 601½ 4th St. 1400 2th St. 1514 Woodward Building Saburi, Sadao D. C. 1400 2th St. S. E. 1923 K St. 1400 2th St. St. 1400 2th St. S. E. 1923 K St. 1400 2th St. St. 1400 2th St. St. 1400 2th St. St. 140	LINDNER, EDWARD THOMAS		
LOVELESS, WARD MARCINSKI, FRANK MARCINSKI, FRANK D. C. 4444 Alton Place, Tenleytown, D. C. 201 E St. S. E. LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McLaughlin, Anna Gertrude MacMurray Miller, Charles S. A. B., LL. B., Louisiana State University Miller, Clyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University Moore, James Ballard LL. B., 1913, George Washington University Moore, James Ballard LL. B., 1913, George Washington University Moore, James Ballard LL. B., M. P. L., Georgetown Law School Paul, Albert Harding Utah Radinoff, Vasile V. Reany, James A. Rome, Lily Lykes Saburi, Sadao Siaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University		D. C.	
MARCINSKI, FRANK Massey, Jerry C. LL. B., LL. M., N. P. L., Georgetown University D. C. 201 E St. S. E.			Chevy Chase, D. C.
Tenleytown, D. C. 1 MASSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University McKee, Hudbon McLaughlin, Anna Gertrude Miller, Charles S. A. B., LL. B., Louisiana State University Miller, Clyde Payne Monty, Willer, Clyde Payne Mo. Monty, Willer, Clyde Payne Mo. Monty, Willer, Clyde Payne Mo. Mo. 914 Cairo Apartment 707 22nd St. Trust Bldg. 914 Cairo Apartment Monty, Willer, Clyde Payne Mo. Mo. Monty, Willer, Clyde Payne Mo. Mo. 914 Cairo Apartment Mo. 707 22nd St. Trust Bldg. 914 Cairo Apartment Monty, Willer, Clyde Payne Mo. Mo. Mo. Mo. Mo. Mo. Mo. 914 Cairo Apartment Mo. 707 22nd St. Trust Bldg. 914 Cairo Apartment Mo. 707 22nd St. Trust Bldg. 914 Cairo Apartment Mo. 707 22nd St. Trust Bldg. 915 Coll Washington Loan & Tenleytown, D. C. 601 Washington Monty, Willer, Clyde Payne Mo. Mo. 707 22nd St. The Toronto 107 22nd St. 1016 11th St. 1023 K St. 1923 K St. 1924 K St. 1925 K St. 192	LOVELESS, WARD	Ala.	1403 15th St.
Tenleytown, D. C. LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McLaughlin, Anna Gertrude MacMurray Miller, Charles S. A. B., LL. B., Louisiana State University Miller, Clyde Payne Monty, Willer, Clyde Payne Mo. Monty, Willer, Clyde Payne Mo.		D. C.	4444 Alton Place,
LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McLaughlin, Anna Gertrude †Micou, Creswell MacMurray Miller, Charles S. A. B., Ll. B., Louisiana State University *Miller, Clyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University †Moore, James Ballard University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelfon, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University			Tenleytown, D. C.
LL. B., LL. M., N. P. L., Georgetown University McKee, Hudson McLaughlin, Anna Gertrude †Micou, Creswell MacMurray Miller, Charles S. A. B., Ll. B., Louisiana State University *Miller, Clyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University †Moore, James Ballard University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelfon, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University	†Massey, Jerry C.	D. C.	201 E St. S. E.
Georgetown University McKee, Hudson McLaughlin, Anna Gertrude Wyo. #Milou, Creswell MacMurray D. C. #Miller, Charles S. A. B., I.L. B., Louisiana State University Miller, Clyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University Moore, James Ballard University Moore, James Ballard LL. B., 1913, George Washington University O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School Paul, Albert Harding University of Utah Radinoff, Vasile V. Reany, James A. †Romney, Vernon Rowe, Lilly Lykes Saburi, Sadao Saburi, Sadao Saburi, Sadao Sher, Charles Owen University Shelfon, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University	LL. B., LL. M., N. P. L.,		
McKee, Hudson McLaughlin, Anna Gertrude Micou, Creswell MacMurray Miller, Charles S. A. B., Ill. B., Louisiana State University Miller, Clyde Payne Monty, Willis Ellsworth LL. B., 1916, George Washington University Moore, James Ballard University More, James Ballard LL. B., 1913, George Washington University More, James Ballard LL. B., M. P. L., Georgetown Law School Paul, Albert Harding Utah Radinoff, Vasile V. Reany, James A. Romney, Vernon Romey, Vernon Monty, Willis Ellsworth Lubert Harding Utah Radinoff, Vasile V. Reany, James A. Romney, Vernon William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University Miller, Clare S. La. Hoo. 401 Cairo Apartment 707 22nd St. Too 601 Washington Loan & Trust Bldg. Washington Loan & Trust Bldg. Washington Loan & Trust Bldg. Washington Loan & Trust Bldg. V. M. C. A. Utah Y. M. C. A. Utah St. Sil Woodward Building Japanese Embassy The Wellington 1759 Euclid St. Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University Smith, Harold C. George Washington University			
McLaughlin, Anna Gertrude †Micou, Creswell. MacMurray *Miller, Charles S. A. B., IL. B., Louisiana State University *Miller, Clyde Payne Mo. Monty, Willis Ellsworth LL. B., 1916, George Washington University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University Box 127, Rockville, Md. G011/2 4th St. 2400 16th St. N. W. The Toronto The Toronto 107 22nd St. 601 Washington Loan & Trust Bldg. 707 22nd St. 1016 11th St. 1016		D. C.	1420 21st St.
†MICOU, CRESWELL MACMURRAY *MILLER, CHARLES S. A. B., I.L. B., Louisiana State University *MILLER, CLYDE PAYNE MO. MO. MILLER, CLYDE PAYNE MO.		Wvo.	601½ 4th St.
*MILLER, CHARLES S. A. B., I.L. B., Louisiana State University *MILLER, CLYDE PAYNE Mo. MONTY, WILLIS ELLSWORTH Vt. B., 1916, George Washington University *MOORE, JAMES BALLARD D. C. LL. B., 1913, George Washington University *O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING University of Utah *RADINOFF, VASILE V. REANY, JAMES A. †ROWNEY, VERNON Utah *ROWE, LILY LYKES D. C. *SHAW, CHARLES OWEN LL. B., Georgetown University SABURI, SADAO *SHAW, CHARLES OWEN University of Chicago SIMPSON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University Mo. 914 Cairo Apartment 707 22nd St. 1016 11th St. 1016 11th St. LL. B., Georgetown Utah Y. M. C. A. 1016 11th St. 10	†MICOU, CRESWELL		
*MILLER, CHARLES S. A. B., I.L. B., Louisiana State University *MILLER, CLYDE PAYNE MO. MONTY, WILLIS ELLSWORTH LL. B., 1916, George Washington University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., Ll. B., Ohio Northern University Smith, Harold C. George Washington University Tex. Box 127, Rockville, Md.	MACMURRAY	D. C.	2400 16th St. N. W.
A. B., I.L. B., Louisiana State University *MILLER, CLYDE PAYNE Mo. 914 Cairo Apartment Monty, Willis Ellsworth Vt. LL. B., 1916, George Washington University †Moore, James Ballard D. C. 601 Washington Loan & Trust Bldg. Washington University *O'Brien, Clarence Abbott LL. B., 1913, George Trust Bldg. Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding Utah *Radinoff, Vasile V. N. J. 3312 4th St. S. E. 1923 K St. †Romney, Vernon Utah *Rowe, Lily Lykes D. C. 514 Woodward Building Saburi, Sadao D. C. 514 Woodward Building Saburi, Sadao D. C. 514 Woodward Building University Shelton, William Arthur D. C. 2311 Tennyson St. Chevy Chase, D. C. Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University Box 127, Rockville, Md.		-	
*MILLER, CLYDE PAYNE Mo. 914 Cairo Apartment Monty, Willis Ellsworth Vt. 707 22nd St. LL. B., 1916, George Washington University †Moore, James Ballard D. C. 601 Washington Loan & Trust Bldg. Washington University *O'Brien, Clarence Abbott Law School †Paul, Albert Harding Utah *Radinoff, Vasile V. N. J. 3312 4th St. S. E. *Reany, James A. †Romney, Vernon Utah *Rowe, Lily Lykes D. C. 514 Woodward Building Saburi, Sadao D. C. 514 Woodward Building Saburi, Sadao D. C. 514 Woodward Building Saburi, Sadao D. C. 514 Woodward Building Shaw, Charles Owen D. C. The Wellington LL. B., Georgetown University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. Tex. Box 127, Rockville, Md. George Washington University			
*MILLER, CLYDE PAYNE Mo. Monty, Willis Ellsworth Vt. LL. B., 1916, George Washington University †Moore, James Ballard D. C. LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon Utah *Rowe, Lily Lykes D. C. *Shaw, Charles Owen LL. B., Georgetown University Shaw, Charles Owen Utah University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University Mo. 914 Cairo Apartment 707 22nd St. 601 Washington Loan & Trust Bldg. Washington Loa			
Monty, Willis Ellsworth LL. B., 1916, George Washington University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes D. C. *Saburi, Sadao *Shaw, Charles Owen LL. B., Georgetown University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University Smith, Harold C. George Washington D. C. George Washington University For the Wellington Trust Bldg. Trust Bldg. Trust Blde. Trust Blde. Trust Blde. Trust Blde. Trust Blde. Trust Bld	*MILLER, CLYDE PAYNE	Mo.	914 Cairo Apartment
LL. B., 1916, George Washington University †Moore, James Ballard D. C. 601 Washington Loan & Trust Bldg. Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding Utah *Radinoff, Vasile V. N. J. 3312 4th St. S. E. 1923 K St. 1923			
University †Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University D. C. George Washington University D. C. George Washington University D. C. #Row (Charles Owen) #Row (Charles	LL B 1916 George Washingto		
†Moore, James Ballard LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University D. C. 1016 11th St. 1016 11t	University		
LL. B., 1913, George Washington University *O'Brien, Clarence Abbott LL. B., M. P. L., Georgetown Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes *Saburi, Sadao *Shaw, Charles Owen University SHelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University M. C. A. 1016 11th St. 102		D. C.	601 Washington Loan &
Washington University *O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING University of Utah *RADINOFF, VASILE V. REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO SHAW, CHARLES OWEN University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University M. C. A. 1016 11th St. 1016 11th St. 1106 11th St. 1107 I Lah Y. M. C. A. 1923 K St. 1924 Woodward Building Japanese Embassy The Wellington LL. B., Georgetown University SHILIS EARL A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. Tex. Box 127, Rockville, Md.	I.I. B 1913 George	D. C.	
*O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School †PAUL, ALBERT HARDING University of Utah *RADINOFF, VASILE V. REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES D. C. SABURI, SADAO *SHAW, CHARLES OWEN University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University The Utah Y. M. C. A. 1016 11th St. 114 St. 11923 K St. 1923 K St. 1923 K St. 1924 Woodward Building Japanese Embassy The Wellington 1016 11th St. 1152 E. 1016 11th St. 1016 11th St. 1016 11th St. 1024 M. C. A. 1923 K St. 1924 Woodward Building 25 Lapanese Embassy The Wellington 1016 11th St. 1024 M. C. A. 1923 K St. 1924 Woodward Building 104 K St. 1924 Woodward 105 K St. 1924 Woodward 105 K St. 1924 Woodward 106 K St. 1924 Woodward 106 K St. 1924 Wood			2,000
LL. B., M. P. L., Georgetown Law School †PAUL, Albert Harding University of Utah *RADINOFF, Vasile V. REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO *SHAW, CHARLES OWEN LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University Tex. Box 127, Rockville, Md.	*O'RDIEN CLAPENCE ARROTT	D. C.	1016 11th St.
Law School †Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University M. J. 3312 4th St. S. E. 1923 K St. 1924 K St. 1923 K St. 1924 K St.	I.I. R. M. P. I. Georgetown		
†Paul, Albert Harding University of Utah *Radinoff, Vasile V. Reany, James A. †Romney, Vernon *Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen LL. B., Georgetown University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University Utah Y. M. C. A. 1923 K St. 1924 Woodward Building Japanese Embassy The Wellington Liu B., George Washington The Wellington 1759 Euclid St. Box 127, Rockville, Md.			
University of Utah *RADINOFF, VASILE V. REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO *SHAW, CHARLES OWEN University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University *N. J. 3312 4th St. S. E. 1923 K St. 100 4th St. S. E. 1923 K St. 100 4th St. S. E. 1923 K St. 100 4th St. S. E. 1923 K St. 1023 K St. 1024 Woodward Building D. C. 2311 Tennyson St. Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. Tex. Box 127, Rockville, Md.		Iltah	Y. M. C. A.
REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO *SHAW, CHARLES OWEN LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University 1923 K St. 100 4th St. S. E. 100 2th Woodward Building Japanese Embassy The Wellington 2311 Tennyson St. Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. Box 127, Rockville, Md.	University of Utah	Cui	1. 111. 0. 11.
REANY, JAMES A. †ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO *SHAW, CHARLES OWEN LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University 1923 K St. 100 4th St. S. E. 100 2th Woodward Building Japanese Embassy The Wellington 2311 Tennyson St. Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. Box 127, Rockville, Md.	*RADINOPP VASILE V	NJ	3312 4th St. S. E.
*ROMNEY, VERNON *ROWE, LILY LYKES SABURI, SADAO SHAW, CHARLES OWEN LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University Utah D. C. 514 Woodward Building Japanese Embassy The Wellington LT. 2311 Tennyson St. Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. Tex. Box 127, Rockville, Md.	REANY JAMES A	211.01	
*Rowe, Lily Lykes Saburi, Sadao *Shaw, Charles Owen LL. B., Georgetown University Shelton, William Arthur A. B., 1908, University of Georgia; A. M., 1912, University of Chicago Simpson, Willis Earl Ph. B., LL. B., Ohio Northern University Smith, Harold C. George Washington University D. C. 2311 Tennyson St. Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. 2312 Tennyson St. Chevy Chase, D. C. Chevy Chase, D. C. 2313 Tennyson St. Chevy Chase, D. C. Chevy		IItah	
SABURI, SADAO *SHAW, CHARLES OWEN LI. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University D. C. Japanese Embassy The Wellington Chevy Chase, D. C. 2311 Tennyson St. Chevy Chase, D. C. 1759 Euclid St. Post 127, Rockville, Md.	*ROWE LILVIANDS		
LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University LL. B., George Washington University D. C. 2311 Tennyson St. Chevy Chase, D. C. 1759 Euclid St. Ph. B., LL. B., Ohio Northern University Box 127, Rockville, Md.	SARVEY SARAG		
LL. B., Georgetown University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University LL. B., George Washington University D. C. 2311 Tennyson St. Chevy Chase, D. C. 1759 Euclid St. Ph. B., LL. B., Ohio Northern University Box 127, Rockville, Md.	*SHAW CHADIDS OWEN		
University SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University SETTING TO THE WILLIAM ARTHUR D. C. 2311 Tennyson St. Chevy Chase, D. C. The State of Chevy Chase, D. C	I.I. R. Coowrotown	D. C.	The Weinington
SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University SMITH, HAROLD C. Tex. Box 127, Rockville, Md.	University		
A. B., 1908, University of Georgia; A. M., 1912, University of Chicago SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University Tex. Box 127, Rockville, Md.	SHELTON WILLIAM APPRICE	DC	2311 Tennyson St.
Ceorgia; A. M., 1912, University of Chicago Simpson, Willis Earl Mont. 1759 Euclid St. Ph. B., LL. B., Ohio Northern University Smith, Harold C. Tex. Box 127, Rockville, Md. George Washington University	A. B. 1908 University of	D. C.	
University of Chicago SIMPSON, WILLIS EARL Mont. 1759 Euclid St. Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. Tex. Box 127, Rockville, Md. George Washington University	Georgia: A M 1912		Chery Chase, a. c.
SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. George Washington University SIMPSON, WILLIS EARL Mont. 1759 Euclid St. Post 127, Rockville, Md.			
Ph. B., LL. B., Ohio Northern University SMITH, HAROLD C. Tex. Box 127, Rockville, Md. George Washington University	SIMPSON, WILLIS EARL	Mont	1759 Euclid St.
Northern University SMITH, HAROLD C. Tex. Box 127, Rockville, Md. George Washington University	Ph. B., LL. B., Ohio	272 0110.	a too arabina too
SMITH, HAROLD C. Tex. Box 127, Rockville, Md. George Washington University			
George Washington University		Tex	Box 127, Rockville, Md.
University of Texas	University of Texas		

Name †Sommers, Walter Allwood LL. B., 1905, St. Lawrence University; LL. B., 1906, George Washington	Legal Residence N. Y.	Address 754 Rock Creek Church Rd.
University Stephens, Edgar Bascom Stern, William Fred *Stewart, Edwin Homer *Tefft, Ivan Douglas Thomas, Lisle A. B., 1917, George	Ky. Ill. Ore. Ill. Mich.	3107 Mt. Pleasant St. 1735 Willard St. 2028 F St. N. W. 1332 V St. N. W. 1420 R St. N. W.
Washington University THOMAS, WILLIAM L. †TRAMMELL, CHARLES MONROE Ph. B., 1907, Emory College; LL. B., 1909, Vanderbilt Law	D. C. Fla.	1216 D St. S. E. 819 G St. N. W.
School VESTAL, RUFUS MORTON LL. B., LL. M., Hamilton	D. C.	309 Shepherd St. N. W.
*Wheeler, John Rowe *Wheeler, John Rowe †Womersley, Charles Edwin Wyatt, Zoe M. S. Yaecker, Walter Ernest *Zempel, Edward Hartman	Idaho Colo. Ind. D. C. S. D.	Apt. 31, The Home 4122 8th St. N. W. 509 11th St. N. W. 2371 Champlain St. 712 20th St. N. W.

SUMMARY

Candidates for Degree of Bachelor of Laws:	
First Year	126
Second Year	121
Third Year	9.1
Annu Toni	
en i s	641
Total	
Candidates for Degree of Master of Laws	26
Total	667
	4
Counted Twice	-4
	-
Total Candidates for degrees	0.53
Special Students	00
Direction Decided	
m · I	753
Total	
Counted Twice	1
	_
Total All Students	7.52
Candidates for degrees who are college graduates	147
	20.2
Percentage	
Candidates for degrees who have had all or part of a college course.	341
Percentage	51.1

COLLEGE GRADUATES CANDIDATES FOR DEGREES

Albion College	1	Middlebury College	. 2
Albright College	1	Military College of	
Arkansas, University of	17)	South Carolina	. 1
Baker University	2	Mississippi College	1
Bowdoin College	1	Missouri, University of	3
Brown University	2	Missouri, University of Missouri Valley College	1
Bucknell College	1	Monmouth College	1
California, University of	1	Nebraska, University of	4
Carnegie Institute of	A.	Nevada, University of	
Taghnology:	1	North Carolina, University of .	1
Technology Central University of Iowa	1	North Dakota, University of	9
	1	Ohio State University	
Center College of Kentucky	1	Pennsylvania, University of	5
Chattanooga, University of	3	Pittshumb University	
Clucago, University of		Pittsburgh University	
Cincinnati, University of	1 2	Princeton University	
Colby College		Randolph-Macon College	4
Colgate University	1	Rensselaer Polytechnic	2
College of the City of New	-	Institute	1
York	3	Rice Institute	
Colorado Agricultural College.	1	Richmond College	1
Colorado, University of	2	St. John's College,	1
Columbia University	3	Annapolis, Md	1
Cornell University	2	St. Olaf College	1
Dartmouth College	4	Swarthmore College	3
Davidson College	1	Syracuse University	9)
Delaware College	1	Thayer School of Civil	7
Denver, University of	2	Engineering	1
Drury College	1	Transylvania College	2
Earlham College	2	U. S. Military Academy	4
Florida, University of	1	U. S. Naval Academy	2
Georgetown College	1	University of the South	
George Washington University	11	Utah, University of	1
Goucher College	2	Union University	1
Gustavus Adolphus College	1	Vermont, University of	1
Harvard University	2	Virginia, University of	1
Hiram College	1	Wake Forest College	1
Idaho, University of	1	Washington and Lee	
Illinois, University of	2	University	1
Indiana University	2	Washington University	1
lowa, State University of	4	Wellesley College	1
Johns Hopkins University	1	Western Maryland College	1
Kansas, University of	1	Westminster College	1
Lehigh University	1	West Virginia University	1
Lenox College,		Wisconsin, University of	4
Hopkinton. Iowa	1	Yale University	3
Louisiana State University	1		
Manhattan College	1		156
Massachusetts Institute of		Counted Twice	9
Technology	3		
Miami University	1		147
Michigan, University of	5		
and the state of t	-		

GEOGRAPHICAL DISTRIBUTION

Alabama	42	Pennsylvania	169
Arizona	4	Rhode Island	14
Arkansas	10	South Carolina	13
California	29	South Dakota	23
Colorado	21	Tennessee	59
Connecticut	43	Texas	67
Delaware	9	Utah	38
Florida	23	Vermont	16
Georgia	33	Virginia	184
Idaho	13	Washington	18
Illinois.	137	West Virginia.	42
Indiana	94	Wisconsin	54
Iowa	68	Wyoming	6
Kansas	46	Alaska	1
Kentucky	48	District of Columbia	1438
Louisiana	18	England	1
Maine	24	Hawaii	1
Maryland	174	Philippines	14
Massachusetts	81	Porto Rico	8
	62	Canada	3
Michigan	66	Central America	1
Minnesota	37	China	9
Mississippi	70	Costo Rico.	1
Missouri	10	Egypt	1
Montana	28	Germany	2
Nebraska	3	Greece	2
Nevada	9	Honduras	1
New Hampshire	64	Japan	3
New Jersey	4	Paraguay	1
New Mexico	178	Persia	2
New York	46	Peru	1
North Carolina	37	Russia	2
North Dakota	98	Serbia	2
Ohio	42	DCT DATE:	
Oklahoma	13	Total	3882
Oregon	10	Louis	

GENERAL SUMMARY

Teaching Staff

In many instances members o	f the	Teaching	Staff	only	give	part	time
to the University:							
D. c						43.4	

Professors	84	
Associate Professors		
Associates		
Assistant Professors	21	
Lecturers and Instructors		
Assistants and Demonstrators.	49	
		249

STUDENTS REGISTERED IN THE UNIVERSITY DURING 1919-20 Department of Arts and Sciences

School of Graduate Studies	205
Columbian College	
College of Engineering.	
Teachers College	335
	2960
	000

Professional Schools

117

Medical School

Dental School	4
College of Pharmacy	9
Law School	32
as once	OFO
4	-
Total	3912
Duplicates	30
	3882

Summer School, 1919

Summer School,	Arts and	Sciences 4	161
		_	— 668

DEGREES CONFERRED AT COMMENCEMENT, 1919 HONORARY DEGREES

Doctor of Music

NICHOLAS DOUTY

Doctor of Science

JOHN HAYS HAMMOND, JR.

Doctor of Letters

LANGDON ELWYN MITCHELL ELIZA RUHAMAH SCIDMORE

Doctor of Laws

JOHN BARTON PAYNE HOWARD SUTHERLAND

LEONARD WOOD

IN COURSE

Bachelor of Arts

of Columbia
of Columbia
of Columbia
usetts
rginia
of Columbia
of Columbia
rk
of Columbia
of Columbia
of Columbia of Columbia vania
of Columbia of Columbia vania of Columbia
of Columbia of Columbia vania of Columbia
of Columbia of Columbia vania of Columbia of Columbia
of Columbia of Columbia of Columbia of Columbia of Columbia
of Columbia of Columbia of Columbia of Columbia of Columbia
of Columbia of Columbia vania of Columbia of Columbia
of Columbia of Columbia of Columbia of Columbia of Columbia of Columbia
of Columbia
of Columbia of Columbia of Columbia of Columbia of Columbia of Columbia

DEGREES CONFERRED

EARLE WILBUR WALLICK	Illinois
Francis Eugene Walter	Pennsylvania
ETHEL WOLF (With distinction)	District of Columbia
WILLIAM MITCHELL (As of the Class of 1899)	District of Columbia
Bachelor of Science in Medic	ine
JOHN HUGH LYONS	District of Columbia
Bachelor of Science in Civil Engine	
JACOB LEON LENOVITZ (With distinction)	Maryland
. Bachelor of Science in Mechanical Engi	neering
George Aloysius Degnan	Pennsylvania
ROYAL HAINES HEALD	
JOSEPH HENRY WILSON	Pennsylvania
Bachelor of Science in Chemis	
LAWRENCE ELMER BURTON	
Simon Gerber	
Bachelor of Arts and Bachelor's Diploma	in Education
SADIE WHITE BELLER	District of Columbia
PEARL LEE BOONE	Maryland
Rose Brill	District of Columbia
Frances Moon Butts	Virginia
LINO JUAN CASTILLEJO	Phillippine Islands
MARY CATHERINE DENT	District of Columbia
MARY ANNETTE EMORY (With distinction)	District of Columbia
KATE MARIA GIBBS	Massachusetts
LAURA PYWELL HESTER	
NANNETTE ISABEL HOCHEISEN	
LASALIA McCaffrey	Iowa
MARIE CUTHBERTSON NOLD	
Frances Louise Park	Michigan
MARGARET JOANNA PRENTISS (With distinction)	. District of Columbia
THOMAS RICHARD REES	
CHARLES L. STONE.	
JEANNETTE BLANEY STRAYER	
RAYMOND EVERETT TERRY	
HEBER HERBERT VOTAW	.Ohio
GRACE VIOLA WRIGHT	. District of Columbia
Master's Diploma in Education	
ALEXANDER MATHIAS BELLONY	. New York
Doctor of Medicine	
CHARLES JAMES BARONE	. Michigan
George Overton Bassett	

ELLIOTT MUSE CAMPBELL (With distinction)	. District of Columbia
WILLIAM CLIFFORD GARDNER (With distinction)	. Pennsylvania
ROBERT ROY HOTTEL JOSEPH KREISELMAN	. Unio
HENRY WINSHIP LEETCH (With distinction)	District of Columbia
HYMAN DAVID SHAPIRO	District of Columna
James Alexander Smart	. District of Columbia

Nurses Certificates

WILLIE GRANT ASHBY	Virginia
SARAH ELIZABETH BROWN	. District of Columbia
RUTH EDWARD CREWS	North Carolina
MARY JANE FLAHERTY	Virginia
ELIZABETH McELMURRAY FULCHER.	Georgia
Lena Moore Graves	Virginia
NELL HAMLIN	. North Carolina
LAURA HAYDEN	Maryland
VIRGINIA KIRBY	Virginia
GRACE LAKE	Virginia
Louva Lee Neff	Virginia
MARION BOVEE OLDS	Virginia
MARION DOVEE OLDS	Virginia
LURLINE VERNON PALMORE	Virginia
LOLA PRATT	Vincinia
Bessie Jeffrey Walker	., Virginia
ELSIE WATSON	. North Carolina
GRACE LEONAINIE WELLS	Virginia

Doctor of Dental Surgery

DEWITT TALMADGE BAKER
EDWARD HAROLD DONOVAN. JOHN WESLEY DULL
JOHN WESLEY DULL
BERNHARD EDWIN ERIKSON (With distinction)Illinois WILLIAM HOWARD GORTONNew York LOUIS JOSEPH GENESSENew York ELLIOTT ALBERT HUNTNew Jersey JACK SOL KAPLANNew Jersey SAMUEL KATZMAN (With distinction)New York
WILLIAM HOWARD GORTON
LOUIS JOSEPH GENESSE
JACK SOL KAPLAN
SAMUEL KATZMAN (With distinction)
SAMUEL KATZMAN (With distinction)
The state of the s
CLARENCE EDWARD KELLY (With distinction)
ROBERT WILLIAM McCulloughMaryland
JAMES FRANCIS MITCHELLRhode Island
RALPH LANCASTER MORRISON Maryland
Shigeru Ozawa Japan
IVAN H. S. RICHMAN

DEGREES CONFERRED

George Julian Saferstein	New Jersey
CHARLES VALENTINE STIEFEL	District of Columbia
CHARLES LENTON THOMAS	Texas
JACQUES VEINTRAUB	New Jersey
CARL RANDALL WHEELOCK	Ohio
EARL BENJAMIN WHITE (With distinction)	District of Columbia
CHARLES RALPH WITT	Indiana
Bachelor of Laws	
FRANK HARRIS BORDEN	Dannaulyania
EDWARD GEORGE BREMER	Minnesota
WILLIAM HERBERT EAMES	Massachusette
JOHN WILLIAM EDWARDS	Vermont
Andrew Broaddus Estes, Jr.	Georgia
ROBERT RAYMOND FAULKNER	Illinois
JOHN FLAM	New York
LEROY BLAKE FOSTER	Ohio
FRED GEER HARDEN	. Nebraska
JOHN JAMES HUFF	. Iowa
STUART JONES MACKEY	. New York
CLARENCE ALTHA MILLER	. Pennsylvania
Howard Seaman Miller	
Bessie Wooten Newsom (With distinction)	. Arkansas
WILLIAM ALFRED READ	Massachusetts
WALLACE ANDREW ROBERTSON	Indiana
ALBERT THURSTON ST. CLAIR	
TAYLOR HUDNALL STUKES (With distinction)	South Carolina
CHARLES PATRICK SWINDLER	
FRANK HATHAWAY TOWSLEY	
RICHARD FRANCIS WOOD	District of Columbia
YUNG-CHING YANG (With distinction)	. China
Master of Laws	
LESTER LLEWELLYN SCHNARE	Georgia
ANITA WILSON VEALE	
Master of Science	
PETER HIDNERT.	. New York
A. B., February 1918, George Washington Uni	versity.
Master of Arts	
KING CHU	. China
A. B., February 1919, George Washington Unive	rsity.
ROSALIE GARDINER JONES	
Marquis LaFayette Lennon	
A. B., 1912, Union University, Jackson, Tenness	ee.
OLLIE ROSCOE McGUIRE	Louisiana
A. B., 1917, Louisiana State University.	

THE	UNIVE	RSITY
4 53 50	0749 4 41	1200-0

308	THE UNIVERSITY
KENKICH EDWIN C LL. I EDWIN F B. A B. S.	MORI
	Doctor of Philosophy
B. S M. S FRANK C B. S M. S FRANK A	Percy Barrows
	AT OCTOBER CONVOCATION, 1919
	HONORARY
	Doctor of Laws
WILLIAM OTTO H	A. DAY MILES POINDEXTER JOHN DU BOIS TELLER IN COURSE
	Bachelor of Science in Medicine
Tomas (Cahigas
	Bachelor of Arts
	ALEXANDER MATTHIAS BELLONY
A. 1	Master's Diploma in Education S LAFAYETTE LENNONTennessee B., 1912, Union University. M., 1918, George Washington University.
	Bachelor of Laws
LETCHE HERBER A. J JOHN A	CHESTER BRODY
KARL E	BENJAMIN FRIEDLAND

Master of Laws

EDWARD	GEORGE	BREMER.	Minnesota	
--------	--------	---------	-----------	--

Doctor of Medicine

THOMAS	BENTON	CRISP,	JR.														District	of	Columbia
--------	--------	--------	-----	--	--	--	--	--	--	--	--	--	--	--	--	--	----------	----	----------

Doctor of Dental Surgery

DAVID SCOTT AUSTIN	New York
NATHANIEL HAWTHORNE BROWNE	New Jersey
Julia Sylvia Coghlin	Massachusett
FRANK LEONARD DAILEY	
ROBERT EDWARD GREENE	New York
CHARLES INBENDER	New York
Mark Jailer	New York
Bernard Link	New York
BENJAMIN MOSKOWITZ	
WILLIAM SIDNEY RHODES	Virginia
EMANUEL SCHANTZ	
NOAH CLEVELAND SECHRIST	Pennsylvania
WALTER DANIEL SULLIVAN	

Master of Science

GEORGE WASHINGTON	SALZER	New York
A. B 1918 Georg	o Washington University	

Master of Arts

FRANK	DEANE	Moore		District of Columbia	
			Washington University		

Doctor of Philosophy

EDWARD ELMER	SMITH District of Columbia
B. S. in Ch.	C., 1914, University of Idaho.
M. S., 1916,	George Washington University.

AT SPECIAL CONVOCATION, OCTOBER 30, 1919 Doctor of Laws

HIS MAJESTY, ALBERT, King of the Belgians

AT WINTER CONVOCATION, 1920 HONORARY

Doctor of Laws

WILLIAM MUSGRAVE CALDER HERBERT CLARK HOOVER
FRANKLIN MACVEAGH

Doctor of Letters
VICENTE BLASCO IBAÑEZ

IN COURSE

Bachelor of Arts

WAGER SWAYNE BROWN District o	f Columbia
LEWIS MAXWELL LIDE District o	f Columbia
FRED NASH OLIVERTexas	

Bachelor of Science in Medicine

WILLIAM CLIFFORD GARDNER	Pennsylvania
M. D., 1919, George Washington	University.

Bachelor of Laws

GEORGE HENRY CARTER	. Iowa
HIGHLAND RIGHTER JOHNS	. Pennsylvania
HENRY MILLER	. Kentucky
GEORGE HENRY PALTRIDGE	. District of Columbia
PAUL EDGAR SHORB (With distinction)	. North Dakota
JOHN PRIDE TOMLINSON	. Tennessee
JAMES ARTHUR KENNEDY	South Carolina

Master of Laws

Louis Malvern Denit	of Columbia
LL. B., 1918, George Washington University.	
HERBERT CLARENCE FOOKS District	of Columbia
LL. B., 1916, University of Idaho.	

Master of Science

	WEI MINChina
В.	S., 1916, Peiyang Government University.
LAURA	WINFIELD STEEVER District of Columbia
R	S 1011 George Washington University.

Master of Arts

OTTO CARL GSANTNERDistrict	OI (Columbia
A. B., 1915, George Washington University.		
MARGARET HERTHA SCHOENFELD District	of	Columbia
A. B., 1918, George Washington University.		

YUNG-CHING YANG				China	
A. B., 1910, Soochow	University;	LL. B.,	1919,	George	Washington
University.					

Doctor of Philosophy

ELIAS ELVOVE			District of	Columbia
S. B., 190	03; S. M., 1904, Univ	ersity of K	entucky; Phar.	D., 1910,
	e Washington Univer			

THOMAS ELLIOTT SNYDER.		District of Columbia
B. A., 1907, Columbia	University: M. F.,	1909, Yale University.

FRANK ALEXANDER WETMORE	of Columbia
A. B., 1912, University of Kansas; M. S., 1916, George	Washington
University.	

ALLIED ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

Officers, 1919-1920

President
HOWARD L. HODGKINS

Vice-Presidents

SPENCER ARMSTRONG LOUIS H. FISCHER DR. O. B. HUNTER MISS THERESA KARGER MISS JULIA H. STROEBEL DR. T. ROLAND WILKERSON

Secretary Elmer L. Kayser

Treasurer HARRY C. DAVIS

Executive Committee
HOWARD L. HODGKINS, Chairman
ELMER L. KAYSER, Secretary

SPENCER ARMSTRONG
H. G. BOUTELL
N. LANDON BURCHELL
DR. W. N. COGAN
DR. E. M. COLVIN
A. P. DAVIS
H. C. DAVIS
J. P. EARNEST
MRS. H. F. ENLOWS
MRS. JOSHUA EVANS, JR.
LOUIS H. FISCHER

DR. O. B. HUNTER
MISS THERESA KARGER
STEPHEN E. KRAMER
DR. J. S. LEMON
DR. H. T. A. LEMON
MISS JULIA STROEBEL
MAJOR FRANK VAN VLECK
MISS ALBERTA WALKER
DR. T. R. WILKERSON
DR. FREDERICK YATES

Since its organization in 1821, the University has conferred 9,619 degrees upon 8,435 persons.

The Secretary of the General Alumni Association, whose office is at the University, endeavors to keep a list of the addresses of all Alumni. His catalogue now contains the addresses of about 5,000 graduates. It is known that about 1,500 are dead, and information is lacking in regard to the others. All alumni are urged to keep the Secretary informed of any change of address or occupation, and to supply information in regard to their fellow Alumni.

LAW SCHOOL ASSOCIATION

Samuel Herrick, President, Westory Building, Washington, D. C. William H. Stayton, First Vice-President.
William L. Symons, Second Vice-President.
Lyle Alverson, Third Vice-President.
George W. Dalzell, Treasurer.
William C. Van Vleck, Secretary, New Masonic Temple, Washington,

D. C.

Other Members of the Executive Committee:
WILLIAM E. HARVEY
EDWARD STAFFORD
PHILIP ERSHLER

THE COLUMBIAN WOMEN

President
MRS. T. MALCOLM PRICE

First Vice-President
MISS FLORENCE FRISBY
Corresponding Secretary
MISS RUTH H. BENNETT
Treasurer
MISS ANNA S. HAZELTON

Second Vice-President
MRS. JOHN T. ERWIN
Recording Secretary
MISS JULIA L. V. McCHORD
Historian
MISS ELLA MONK

BOARD OF LADY MANAGERS OF THE UNIVERSITY HOSPITAL

President
Mrs. Douglas Putnam Birnie

Vice-Presidents

MRS. CHARLES H. STOCKTON

MRS. VAN AUKEN MILLS

Treasurer Mrs. Samuel E. Lewis Recording Secretary
Miss Mary Brickenstein

Assistant Treasurer
MRS. WALLACE MCK. STOWELL

DIRECTORY

OFFICERS OF GOVERNMENT ADMINISTRATION AND INSTRUCTION

The number enclosed in parentheses indicates the page in this catalogue on which may be found the degrees and title of the officer.

ACKER.	G.	N.	(122)	 St.
ACKED				St.

ALBION, M. S. (22)	
ALDEN, L. R. (21)	TT : Thursd Dide

TABLETT, LA IV.								
ALLEN, EDITE	(112)	 	 	 	 	.1700	U St.	
ALLEN, R. F.	(24)			 	 	.1460	Monro	e St.
AMAN. J. (24)	(=1)	 		 	 	.Mt.	Ranier,	Md.

BARKER, A.			Dt. 18. E	
-	(21)	.U. S.	National	Museum.
D	(wa)			Museum.

DASSLER, R. S. (21)									
BEALE, R. S. (124)					 			.1318	19th St.
BECKER, G. H					 	 		.2936	Upton St.
BENTON, R. W		ï						.1424	R St.

DENTON, IL. V	VV			
BENTON H S		Room	203, District Bldg.	

BIBB, A. B. (21)
BINGHAM, C. E. (124)
2 1 (121)
Cherrydale, Va.
BISHOFF, A
Bolwell, Robert (22)
BONNETT, R. W

DUNNETT, R. W	1010 25
Borden, D. L. (123)	The Rochambeau.
Borden, W. C. (122)	. 2306 Tracy Pl.
Воотн, N. М	2101 G St.
DOOTH, N. M	m D 1 - mbeen

BOVEE, J. W.	(122)	The Rochambeau
	. (24)	
	(mx)	PT T3

DOWEN, W. S. (122)	
Brandenburg, E. C. (166)	 .344 D St.
Brecht, N. D. (124)	 .609 22nd St.
REPERTURE F C (194)	1725 17th St.

	1	()		· T A A A A A A A A A A A A A A A A A A
BRIGHAM,	CP	(93)	Smithson	ian Institution.
DIGUIAM,	Ci. It.	(20)		634

Brown, B. (22)	
Brown, T. B. (22)	10 Mason St., Cherrydale, Va

Виткієміся, Ј. К. (123)	.312 G St. N. E.
BUTLER, W. K. (122)	.1207 M St.
Салідая, Т. М. (123)	.31 E. Oxford St.

CAMPBELL, R. D.	42 Rhode Island Ave. N. E.
Catalita Distriction of the Control	

CAMPBELL, R. D	
CARMICHAEL, R. B. (122)	
CARR. W. B. (124)	1624 Eye St.
CARROLL, MITCHELL (21)	1741 New York Ave.
CHACE D C (23)	Evening Star Co.

THE UNIVERSITY

C	C1. WILL B I W.
Снарман, R. M. (123)	
CHENEY, W. L. (23)	
CHEYNEY, W. J. (24)	
CHIPMAN, C. N. (123)	
CHRISTIE, A. C. (123)	
Churchill, G. M. (22)	
Clarke, B. (23)	
CLARKE, F. W. (21)	
CLARK, G. F. (123)	Naval Medical School.
CLAYTOR, T. A. (122)	. 1826 R St.
CLEPHANE, W. C. (166)	Wilkins Bldg.
Сонен, L. (22)	. 1755 Calvert Pl.
Сонем, R. (124)	. New Masonic Temple.
COLLIER, C. S. (166)	
Collier, W. M. (21)	.2400 16th St.
Conklin, C. E. (123)	
Conley, M. J.	.921 15th St.
CONNER, L. E	Anacostia, Sta., D. C.
Constantini, C. L.	
COPELAND, E. P. (123)	. The Rockingham.
COPPING, E. J.	
COPPING, J. B. (125)	.R. F. D. "A," Station "H."
CORBY, C. I. (10)	
Cottrell, C. L. (24)	
COUTINHO, J. S. (22)	
Cox, O. C	
Crane, A. B	
CROISSANT, D. C. (21)	
	bridge, Mass.
CRUICKSHANKS, B. C. (23)	1336 Fairmont St.
Cullom, E. (22)	
CULVER, C. W. (124)	.1720 M St
Cushman, A. S. (22)	. 1845 B St.
DANFORTH, E. F	New Varnum Hotel.
Daniel, F. C. (23)	McK. Man. Train. School.
Daniels, J. I. (24)	
Davis, H. C. (10)	. 1929 18th St.
Davis, W. T. (123)	
DE FARGES, J. R	
Deffenbaugh, W	
DIERSTEIN, A. L. (23)	
Donk, Mrs. P. J. (24)	
Donnally, H. H. (123)	
DOYLE, H. G. (22)	
DOYLE, J. I. (10)	
EASTON, C. D. (124).	. 1327 18th St.

DIRECTORY

P	0109 M C4
EARNEST, J. P. (166)	Desirable Dide & Loop Acen
Edson, J. J	Equitable Blug, & Loan Assi.
EINSTEIN, M. B. (24).	.619 19th St.
ELLIOTT, H. R	. The Farragut Apt.
Ellison, E. M. (123)	.1720 M St.
ERICKSON, H. A	.2633 13th St.
ERWIN J. T. (22)	.1819 G St.
EVERETT, E. H. (10)	.23rd and Sheridan Circle
FANSLER, O. N	. Potomac Bank Blug.
FERSON M. I. (166)	The Argyle.
Fihe. A. J. (24)	.2307 Washington Circle.
FILLEBROWN, J. P. (123)	.Stoneleigh Court.
FLATHER, W. J. (10)	. Riggs Bank.
FOLEY, T. M. (124)	.901 16th St.
Fowle, F. E. (22)	.2919 Que St.
FRANKLIN, E. T. M.	.1729 19th St.
Franz, S. I. (21)	St. Elizabeth Hosp.
French, C. T	. Clarendon, Va.
Fuqua, D. J. (23)	.1415 Monroe St.
Fuller, H. G. (123)	.1884 Columbia Rd.
GERHART A I (93)	. 903 13th St.
GOETZMAN, G. F	. Continental Trust Bldg.
GLOVER, C. C., JR. (10)	.737 15th St.
GORE, J. H. (21)	.2210 R St.
Gray, A. C. (124)	Stoneleigh Court.
GREENE, S. H. (124)	1460 Rhode Island Ave.
GROOVER, T. A. (123)	1621 Connecticut Ave.
GROSVENOR, G. H. (10)	Hubbard Memorial Hall.
Hagan, W. L	Real Estate Trust Bldg.
HAGAN, W. L	The Farragut Apt.
HAGNER, F. R. (122)	Navel Observatory.
HALL, A. (21)	1408 Chapin St.
Hall, C. L. (123)	1801 Wyoming Ave.
Halsey, W. D. (22)	2125 24th St. N. E.
Hamilton, B. (23)	Department of Justice.
Hanna, J. (166)	OOA Fro St
Harne, O. G.	1505 Lamont St
Harris, A. L. (21)	1505 Lamont St
Harris, W. (24)	Ca Elizabeth Hosp
Hassell, J. C. (146)	St. Elizabeth Hosp.
Hastings, G. S. (24)	3600 Ordway St.
HATFIELD, W. B	. Naval Medical School.
HAYES, H. J. (124)	1335 H St.
HASTINGS, G. S. (24)	360 Ordway St.
HEMMINGS, H H	. Y. M. C. A.
HENNING, G. N. (21)	1604 Newton St.
HERETE I: (10)	Gunston Han, va.
Hewert, E. L. (22)	1/41 New Tork Ave.

THE UNIVERSITY

Higgins, M. E	
HERRINGTON, M. C	
Нил., С. Е. (22)	
	D. C.
Hill, E. A. (22)	
Hodgkins, H. G. (22)	
Hodgkins, H. L. (21)	
Holmes, C. W	
Honaman, K	
Hopkins, A. (10)	
Hopkins, H. C	
Hopkins, N. M. (22)	.2128 Bancroft Pl.
Hopkins, T. S. (10)	
HORNADAY, F. A. (122)	.3509 14th St.
Humphreys, W. J. (21)	. 1016 Vermont Ave.
Hunt, E. A	. 1416 L St.
Hunter, O. B. (122)	.31 E. Oxford St.
HUNTINGTON, W. H	.3138 Que St.
Hyde, C. W	. The Alabama.
Jackson, V. B. (123)	. The Brunswick,
JENKINS, G. B. (123)	.1335 H St.
JENNISON, C. L. (23)	.3475 Holmead Pl.
JEWETT, C. H	.2101 G St.
JOHNSON, ETHEL (24)	.1207 Emerson St.
Johnson, E. E	
JONES, C. K. (23)	.304 Md. Ave.
KALUSOWSKI, H. E. (161)	
KANE, H. F. (124)	
KAYSER, E. L. (22)	
Kemble, A. (123)	
Kern, R. R. (21)	
	Apt. 63.
KERR, H. H. (123)	
KILLIAN, C. H. (23)	
KILLINGER, W. C.	
King, A. (166)	
King, William Binford (124)	
King, William Bruce (10)	
KLINE, S. R. (23)	
KNAPP, M. A. (10)	
KNOTT, C. O. (124)	1006 Eve St S E
Kochenderfer, C. C. (22)	Conley Courts Apt 211
Kramar, C. F. (23)	College Park Md
Киеныец, Е. Н. (23)	1016 0th St
LAPHAM, J. R. (22)	1000 C C4
EATHAM, 0. 10. (22)	1029 (10)

DIRECTORY

LARKIN, T	Navy Yard.
LARNER, J. B. (10)	.900 F St.
LATIMER, J. W. (166)	. Wilkins Bldg.
Lawson, H. W. (122)	. 1760 Rhode Island Ave.
LAYTON, R. E.	.3019 O St.
Leech, F. (122)	.1359 Columbia Rd.
LEFFLER, H. H. (23)	Naval Medical School.
LEPPER, H. A. (23)	.1417 Allison St.
Lewis, H. S. (124)	. 1219 Vermont Ave.
Lewis, N. D. C. (123)	.St. Elizabeth Hosp.
Linville, T. (123)	.2517 14th St.
LISNER, A. (10)	. Palais Royal.
LITTLEHALES, G. W. (21)	.2132 Le Roy Pl.
LITTLEPAGE, W. H. (124)	. The Alabama.
LOHR, V. J.	. Union Savings Bldg.
Lyon, Q. (24)	.636 S. Carolina Ave. S. E.
McArthur, L. E. (22)	.2112 F St.
McCullough, J	.1107 P St.
McDaniel, A. B. (22)	.7th and B Sts.
McFall, J. M. (166)	.1710 M St.
McKimmie, O. A. M. (122)	. The Valois.
McLain, C. (166)	. Treasury Dept.
McLaughlin, T. N. (10)	.1736 Connecticut Ave.
McNeil, H. C. (22)	. 1210 Decatur St.
MACFARLAND, H. B. F. (10)	. 1420 New York Ave.
MACMILIAN, J. T. (22)	.207 A St. S. E.
MALLORY, W. J. (125)	. 1720 Connecticut Ave.
Mankey, H. (24)	.2914 11th St.
MARBURY, W. B. (124)	.1717 20th St.
Marsh, E. G. (23)	.922 Maryland Ave. N. E.
Martin, T. C. (122)	. The Rochambeau.
Mason, J. R. (24)	.808 9th St.
Mason, L. M. (124)	. The Rochambeau.
MEAD, S. V	1120 Fairmont St.
MERRILL, G. P. (21)	.1422 Belmont Rd.
MERRILL, W. H	. Garfield Hosp.
MERRITT, E. A. (123)	. 1621 Connecticut Ave.
Mess, C. J	.921 15th St.
Metcalf, J. (22)	.2023 G St.
Michelson, T. (22)	Smithsonian Institution.
Метгенотн, М. (24)	119 12th St.
MILLER, G. B. (122)	1730 K St.
MITCHELL, J. F. (123). MONCRIEF, W. H. (122)	Office of Surgeon General
Moore, G. F. (10)	P. O. Box "G," Station "F."
Moore, M. J. (24)	.111 Tennessee Ave. N. E.

Moore, W. C. (123)	The Wyoming.
Moore, W. L. (21)	. Rockville, Md.
Morris, G. G. (124)	. 1913 14th St.
Morrison, R. L	
Munroe, C. E. (21)	
Myers, R. E. (123)	.1335 H St.
Nelson, Agnes (24)	
Nichols, H. B. (24)	
Nichols, J. B	
Norsworthy, L. D. (22).	1731 Kilbourne St
NOYES, E. R. (22)	1212 Kenyon St
Noyes, T. W. (10)	Care of Evening Star
O'CONNELL, F. C. (166)	D. C. Supreme Court
O'MALLEY, M. (124)	St. Elizabeth Hosp
PAGAN, A. E. (123)	The Rochambeau
Palkin, J. R	710 14th St
Parker, B. W. (166)	Woodward Bldg
Pattison, G. K. (23)	
PAYNE, J. B (10)	
PAYNE, L. M. (24)	Ballston, Va
Peele, S. J	
Perkins, H. C. (10)	.1701 Connecticut Ave.
Peter, A. (116)	
PHILLIPS, F. M. (23)	.3120 Warder St.
PHILLIPS, G. W. (23)	.612 18th St.
Pole, S. B. (124)	Northbrook Courts
POLLNER, N. B. (24)	.32 Park Pl.
Pope, D. J. (24)	
PORTER, E. C	.2101 G St.
Preinkert, M. (24)	.1411 L St.
PROTZMAN, M. I. (23)	
PRYOR, J. C. (22)	Naval Medical School
Ритакі, Р. 8	.911 16th St.
RAFTER, R. R.	.The Kedrick.
RANDOLPH, B. M. (122)	.2010 P St.
RAWLINGS, J. B. (23)	.2023 G St.
Rawson, G. H. (124)	.711 C St.
Reeves, W. P. (123)	The Congressional.
RESSER, C. E. (23)	U. S. National Museum.
Reichelderfer, L. H. (122)	1721 Connecticut Ave.
RICHARDSON, C. W. (122)	1317 Connecticut Ave.
RICHARDSON, E. E. (21)	1001 Alabama Ave. S. E.
RIGGLES, J. L. (123)	The Bradford
KHOTON, A. L	State College Pa
Roe, J. H. (123)	1335 H St.

DIRECTORY

Rogers, J. D	. 1400 M St.
RUEDIGER, W. C. (21)	. 2836 28th St.
RUFFIN, S. (122)	. 1335 Connecticut Ave.
Rush, O. L	.1409 L St.
SALDANA, J. B. (23)	. The Dunsmere.
SANBORN, N. H. (23)	.115 Maryland Ave. N. E.
SCHAAF, M. E. (24)	.1824 Monroe St.
SCHAPIRO, ISRAEL (22).	Library of Congress.
SCHATZ, E	.1840 2nd St.
SCHMIDT, A. F. W. (21)	. 35 Bryant St.
SCHMITT, W. L. (23)	Smithsonian Institution.
Schnebly, M. I. (166)	.1448 Park Rd.
SCHOENFELD, H. H. (124).	.3448 34th St.
Schoenfeld, H. (21)	.3448 34th St.
Schrieber, F. C. (124)	.1726 M St.
Schulz, W. H.	.1335 H St.
Seibert, E. G. (123)	.1545 Eye St.
Selah, M. (24)	.17 Third St.
Selby, J. H	.1206 18th St.
SELLNER, A. E	.1335 H St.
SHANDS, A. R. (122)	.901 16th St.
SHELTON, C. R.	. Champlain Apt.
SHOEMAKER, C. G.	.826 Connecticut Ave.
SHUTE, D. K. (122)	.1727 De Sales St.
Sill, M. R.	. 132 Adams St.
SIMPSON, C. A. (123)	. 1219 Connecticut Ave.
SMALL, W. S. (22)	.1330 Irving St.
Sмітн, С. S. (21)	.304 Takoma Ave.
SMITH, E. S	.1101 17th St.
Snowden, E. (123)	.1900 S St.
SPEAR, A. A. (23)	.4 Sixth St. N. E.
STAFFORD, W. P. (166)	.1725 Lamont St.
STAVELEY, A. L. (122)	.1744 M St.
STAYTON, W. H. (116)	Southern Bldg.
Sterrett, J. M. (21)	. Pierce Mill Rd.
STIEFEL, C. V	. Cherrydale, Va.
Stitt, E. R. (122)	.1708 R St.
STOCKTON, C. H. (22)	.2017 O St.
Stout, J. D. (123)	,1335 H St.
SULLIVAN, R. Y	The Kochambeau.
SUTTON, L. H. (166)	Chara Chasa Md
SWETT, O. D. (21)	. Chevy Chase, Md.
Swisher, C. C. (21).	The Marne
Symonds, K. (24). Symonds, H. U. (23)	2536 37th St.
Tair, B. (24)	.Western Ave and Ellicott St.
, 20 (21),	

THE UNIVERSITY

TAYLOR, J. N. (23)	Lisner Hall.
TAYLOR, J. W	1616 Eve St.
Teillard, X. (23)	The Garland
TEWKSBURY, W. D. (124)	4107 14th St
THOMPSON, H. C	Real Estate Trust Bldg
THOMPSON, J. L	1404 M St
THURSTON, E. L. (10)	1414 Madison St.
Тіввеття, G. С. (23)	321 Essex Ave Chevy Chase
Тіввеття, А. Р. (124)	1430 Rhode Island Ave
Titos, E. W	The Rochambeau
TRIMBLE, R. S. (124)	722 18th St
Tuckerman, W. R. (10)	Wilkins Bldg
VALAER, P. J. (23)	Bureau of Internal Devenue
VAN METER, A	5210 Illinois Ave
Van Orstrand, C. E. (22)	1607 31st St
VAN VLECK, W. C. (166)	The Victoria
VENNATTI, P. C. (23)	1335 H St
Warner, H. O	1842 Manroe St
WARREN, L. (24)	1341 Columbia Pd
Washburn, W. I. (10)	2029 Connecticut Ave
Watkins, M. H	1420 Clifton St
WATKINS, M. L	1225 H St
Weinstein, M. (23)	2410 M St
WESTCOTT, L. (24)	1422 T &
Wetmore, A. (23)	1019 Hamlin Ct N. E.
WHEATLEY, C	The Montene Ant
WHITE, C. S. (123)	011 164b C4
White, H. (10)	1990 10th St.
White, W. A. (122)	SA TELLAL TY
Whitson, A. J. (23)	1200 Oki- Pl
WILBUR, W. A. (21)	1209 Unio Pl.
WILEY, V. B. (24)	1205 Columbia Rd.
WHEELS T D	2023 G St.
WILKERSON, T. R	The Burlington.
Wilson, J. H. (23)	1436 W St.
WOLFE, A. S	710 14th St.
WOODHULL, M. V. Z. (10)	2033 G St.
WOODMAN, L. C. (23)	1222 11th St.
WOODWARD, F. A. (23)	751 Quebec St.
WYMAN, W. W	724 Upshur St.
YARROW, H. C. (122)	814 17th St.
Young, H. C	Potomac Savings Bank Bldg.
Young, J. L. (23)	2517 Wisconsin Ave.

INDEX

Administrative Officers, 13 Admission requirements Columbian College, 32, 47 Engineering, College, 32, 56 Graduate Studies, School of, 26 Law School 17, 26 Law School, 173
Medical School, 129
Nurses Training School, 162
Pharmacy, School of, 166
Summer School, 111
Teachers College, 32, 65
Alumni Association, 311
Anatomy, 138
Applied Mathematics, 72
Archaeology, 73
Architecture, 73, 99
Arts and Sciences, Department of, 21
Courses of Instruction, 72
Art, History of, 73, 115
Assemblies, 16
Astronomy, 75
Astro-Physics, 75
Bacteriology, 143
Board, 160, 169
Calendar, 8
Chapel, 45
Chemistry, 76, 115, 140
Civil Engineering, 78
Classical Languages, 80
Classical Literature, 81
Columbian College, 47
Columbian College, 47
Columbian College, 47
Commerce, 81, 116
Commerce, 81, 116
Consular Service, 51
Convocation, 16
Council, President's, 14
University, 12 Law School, 173 Medical School, 129 Consular Service, 51
Convocation, 16
Council, President's, 14
University, 12
Degrees, Conferred, 304
Degrees, Requirements for
A. B., 47, 65
A. M., 26
B. S. in Arch., 63
in Chem., 62
in Ch. E., 61
in C. E., 57
in E. E., 58
in M. E., 60
in Med., 53
in Chem., 62
in Ch. E., 58
in M. E., 60
in Med., 53
in Ch. E., 58
in M. E., 58
in M. E., 58
in M. E., 58
in M. E., 60
in Med., 53
in Ch. E., 27
LL. B., 182
LL. M., 182
M. D., 156
M. E., 27
M. P. L., 182
Ph. D., 27
S. M., 26
Dermatology, 148
Diagnosis, 148
Dietetics, 143
Diplomacy, 105
Directory, 313
Dispensary, Staff, 125
Doctorate Disputations, 29
Drawing, 96
Economics, 83, 116

Said.

Education, 84, 117
Educational Organization, 16
Electrical Engineering, 86
Employment, 67, 164, 184
Engineering, College of, 56
English, 88, 117
Ethics, 100, 153
Ethnology, 89
Faculties:
Arts and Sciences, 21
Columbian College, 24
Engineering College, 25
Graduate Studies, School of, 24
Law School, 170
Medical School, 122
Pharmacy, 8chool of, 165
Summary, 303
Summer School, 112
Teachers College, 25
Fees: Fees: Arts and Sciences, 45 Arts and Sciences, 45 Law School, 184 Medical School, 158 Pharmacy, School of, 168 Summer School, 112 French, 105, 120 Genito-Urinary Diseases, 151 Geographical Distribution, 302 Geology, 90, 118 German, 91, 118 German, 91, 118
Graduate Studies, 26
Greek, 80
Gynecology, 153
History, 93, 118
of the University, 15
Home Economics, 118
Hospital, 154
Lady Managers, 162, 312
Staff, 124
Hygiene, 153
International Law, 104
Institutions, Governmental, Privileges in, 17
Jurisprudence, Medical, 148
Latin, 80 Jurisprudence, Medicai, 185
Latin, 80
Laryngology, 152
Law School, 170
Lectures, 16
Library, 16, 128, 173
Library Science, 119
Materia Medica, 143
Mathematics, 95, 119
Mechanical Drawing, 96
Mechanical Engineering, 96
Medical School, 122
Medicial Science, 145
Meteorology, 98
Microscopy, 145
Military Surgery, 151
Mineralogy, 90
Nautical Science, 99
Naval Architecture, 99 Latin, 80 Nautical Science, 99 Naval Architecture, 99 Neurology, 147 Nurses, Training School for, 161 Obstetrics, 152 Ophthalmology, 151 Ornithology, 109 Orthopodies, 151 Orthopedics, 151

Otology, 152
Pathology, 143
Pediatrics, 148
Pharmacology, 141
Pharmacy, College of, 165
Philosophy, 99, 119
Physics, 101, 120
Physiology, 139
Political Science, 103, 120
Portuguese, 108
Powell Foundation, 41
Pre-medical courses, 50, 132
President's Council, 14
Preventive Medicine, 105
Prises:
Arts & Sciences, Department of, 42
Law School, 183
Medical School, 157
Public Service Courses, 51
Psychiatry, 147
Psychology, 99, 119
Radiography, 151
Roentgenology, 151
Roentgenology, 151
Romance Languages, 105, 120
Rooms, 160, 169
Sanitation, 151
Scholarships:
Arts and Sciences, Department of, 39
Semitics, 108
Sociology, 83, 116
Spanish, 107, 121

Arts and Sciences, Department of, 187
Columbian College, 198
Dental School, 272
Engineering, College of, 234
Graduate Studies, 187
Law School, 275
Medical School, 269
Pharmacy, School of, 274
Summer School, 258
Teachers College, 251
Student activities, 168
Summaries:
Arts and Sciences, Department of, 268
General, 303
Law School, 300
Summer School:
Arts and Sciences, 110
Law, 181
Surgery, 148
Teachers, Appointment Bureau, 67
Teachers College, 65
Teachers' Diploma 66
Therapeutics, 143
Thosea, Regulations regarding, 29
Tropical Medicine, 147
Trustees, 10
University Council, 12
Withdrawals, 46, 160, 169, 184
Y. M. C. A., 158
Zoology, 109

The same

FORM OF BEQUEST

One hundred thousand dollars will establish a chair, five thousand dollars a scholarship, and one thousand dollars a prize, in any department of the University.

"I give and bequeath to the George Washington University, of Washington, D. C., the sum of dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine (or, in case of a special gift, stating the terms of the gift)."

A PRAYER*

BY

GEORGE WASHINGTON

Almighty God: We make our earnest prayer that Thou wilt keep the United States in Thy holy protection, that Thou wilt incline the hearts of the citizens to cultivate a spirit of subordination and obedience to government; and entertain a brotherly affection and love for one another and for their fellow-citizens of the United States at large. And finally that Thou wilt most graciously be pleased to dispose us all to do justice, to love mercy and to demean ourselves with that charity, humility and pacific temper of mind which were the characteristics of the Divine Author of our blessed religion and without a humble imitation of whose example in these things we can never hope to be a happy nation. Grant our supplication, we beseech Thee, through Jesus Christ, our Lord. Amen.

^{*} This prayer is used regularly at "The President's Chapel" of the George Washington University, and voices the aspirations of the University for the fulfillment of civic duties and the promotion of national welfare.

George Washington University Bulletin

I.—THE NINETY-NINT, H COMMENCEMENT, MAY 31, 1920.

ADDRESS OF THE BRITISH AMBASSADOR.

II.—UNIVERSITY ANNOUNCEMENTS.

III.—ADDRESSES BY PRESIDENT COLLIER AND PRO-FESSOR STAFFORD.



MAY, 1920

PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C., MONTHLY DURING THE UNIVERSITY YEAR, OCTOBER TO MAY INCLUSIVE, EIGHT TIMES A YEAR

Entered October 6, 1904, at Washington, D. C. as second-class matter under Act of Congress of July 16, 1894

ENROLLMENT FOR 1919-20

MEGGRAPHICS.

The enrollment for the university year, 1919-20, which began with the opening of the Summer Schools in June, 1919, immediately after the Annual Commencement, is as follows:—

Summer School, Arts and Sciences	667
Enrollment in the yearly courses which began with the re-opening of the University on September 24th, 1919, has been as follows:—	
Arts and Sciences:	
The Graduate School 205 Columbian College 1888 College of Engineering 530 The Teacher's College 334	
Total Arts and Sciences 2957	
Medical School	
Total for Medical Dept. including nurses . 234	
Law School	
Total, exclusive of Summer Schools	3943
Grand total of Students enrolled between the Commencement of June 18, 1919, and May 17th, 1920, including Summer Schools of June	3713
August, 1919	4610
Estimated gross enrollment (excluding duplicates) during the previous year, 1918-1919	*3068
Gain in gross enrollment, present year	3000
up to May 17th, 1920, over entire period of previous year	1542
Number of enrolled students on May 12, 1919 **1780	
Gain over last year	A const

*This number which includes about one half of the 491 members of The Student Army Training Corps and about one half of the 387 students in the Summer Schools (that being the number estimated as not having re-enrolled in regular classes) was about 700 more than the largest previous enrollment in any year in the University's history.

**The figures for May each year are less than the total enrollment for the corresponding year because they do not include: (a) students in summer courses; (b) graduates at the Convocations in October and February; (c) students who have been obliged to give up their courses after enrolling.



THE NEW BUILDING OF THE LAW SCHOOL

1435 K Street, McPherson Square, formerly The Department of Justice

DOCTOR OF LAWS

JOHN JOSEPH PERSHING, General of the Armies of the United States. He has attained the chief command because, from the lowest rank to the highest, the tasks assigned to him have been promptly done, thoroughly done, faithfully done. The path of duty has been the way to glory. Endowed with modesty, as well as with military genius, we may truly say of him as Tennyson said of Wgllington:

"Our greatest yet with least pretence, Great in council and great in war. Foremost captain of his time. Rich in saving common-sense, And, as the greatest only are, In his simplicity sublime."

DOCTOR OF LAWS

AUCKLAND CAMPBELL GENDES, educator, soldier, administrator, diplomat; for many years a Professor of Anatomy in the University of Edinburgh and in the Royal College of Surgeons at Dublin; later Minister of Reconstruction of Great Britain; displaying in the first position profound knowledge of the human body and in the second, consummate skill in putting together the shattered body-politic; today as British Ambassador to the United States demonstrating that he understands human nature as well as the human frame. This degree of Doctor of Laws is conferred upon him as a recognition of his own pre-eminent talents and achievements and his invaluable services to his country and to humanity; also as a compliment to the great sister institution of learning, McGill University, of which he was principalelect when accredited to the United States; and also a tribute of our admiration and gratitude to the mighty Empire which he so worthily represents and whose laws and customs and institutions have so profoundly influenced those of our own land and have served as an inspiration to freemen everywhere.

Immediately after the British Ambassador had been invested with the hood the band played the national anthem of Great Britain and, after a brief pause, "The Star Spangled Banner."

The benediction was then pronounced by the Reverend Dr. Randolphi and the academic procession moved out of the hall.

COMMENCEMENT ADDRESS ,

OF

SIR AUCKLAND CAMPBELL GEDDES

British Ambassador at Washington

BEFORE

George Washington University May 31, 1920

MR. CHAIRMAN, LADIES AND GENTLEMEN:

Tonight many of you pass a milestone on the road of life—birth, school, college, graduation, are the common land-marks in the pre-professional life of the university man. Of these the graduation stone is in many cases the most memorable, for just beyond it comes the point at which all must leave the highway they have trodden with the carefree crowd of their contemporaries to pass into the jungle of life and cut their own trail. For most the bush is thick and thorny; the ground rough and rocky. He is rare who never casts regretful longings backward to the road that ended for him just beyond the graduation mile.

One peculiarity of that jungle is that none who has gone before can tell the new recruit what difficulties he will meet or what clearings he may hope to find. Still an elder member of the brotherhood of university graduates may be able to peer a little farther through the bush or perhaps his acquired knowledge of life-woodcraft may make it not too unwise for him to give advice that may save some bleeding feet.

Let us take a general view, if possible a world view, for a few moments.

I doubt if ever before was the future for so many nations, as many individuals, so closely shrouded in dark clouds pregnant with storm. As one looks ahead there is little light save when dazzling flash on flash writes a great interrogation on the murky background.

In Europe we know that an age is dying. Here it would be easy to miss the signs of coming change, but I have little doubt that it will come.

A realization of the aimlessness of life lived to labor and to die, having achieved nothing but avoidance of starvation and the birth of children also doomed to the weary treadmill has seized the minds of millions. The lightnings as they flash the great interrogation sear their eyes. They ask Why? They say to one another Why? They look and see, others who picnic by flowery paths while life slips by, themselves and their like grimy with toil and spent with labor. For them evening and morning, night and day, storm and shine pose the same problem—Why?

You and we and all our allies have fought together the greatest war that was ever fought—we have suffered and inflicted untold misery. Millions of young men have gone to their death serene in the faith that they died for a cause worthy of sacrifice. Millions more have died angry and protesting and asking—Why? Why was life and happiness and love not for them? Why were they doomed to suffer incredible hells on earth?

Questioning everything, accepting nothing, humanity moves once more. So far, only the swell of the storm centered in Europe laps your coasts; yet your daily press is already filled with news of strikes of what is vaguely called industrial unrest.

We all know that it was your tradition to keep clear of European entanglements—here is a European disentanglement that is already piling the waters on your social beaches, a disentanglement of the complicated interweaving of man and man in the social fabric.

Into a storm-racked world you new graduates have to pass and press forward in a struggle demanding your every effort. To press forward, yes; but whither?

I have asked myself that question all my conscious years. In search of an answer I have read many books, some that men would call sacred, some the reverse. I have tried to understand anatomy and embryology in the widest meanings of those terms. I have studied comparative religion and have trodden slowly and laboriously in the footsteps of Sir James Frazer in his mazy dance around "The Golden Bough." I have searched the poets. I have spent years about the business and I still ask myself—"Wither?"

I cannot tell you. I do not know. But some things have become clear to me.

First, I believe that there is a great purpose running through all our strivings which is not of us, but from above us. The end to which that purpose moves is impenetrably hidden from mortal eyes, but the direction in which the end lies, the direction in which we should move, is not hidden, but clear.

We are not as beasts. We have power to choose and to decide. We are not physically great and powerful creatures. We have not horns and hoofs and scales. But though our bodies are weak and soft, our brains are things of marvel, and through those brains there comes to each of us many different thoughts and promptings, but to all of us come three that are not animal in origin, are not concerned with the life of the body, but are, I believe, beams from spiritual lighthouses for the guidance of our earthly voyage.

I used to be a teacher and was happier teaching than I have ever been before or since, but as I look back I see that my pupils taught me nearly all that really matters which I know. They taught me that in my years of study, in my delvings into books, in my work in the research laboratory, I had been looking in the wrong place for the answer I sought. They taught me that the book which contained the truth was the human heart.

In that warm palpitating book I read and learned that each of us had a desire inborn, an instinct, if you will, for beauty; a desire to serve his fellows; a desire to know the truth.

I do not mean that each sees beauty as each other sees it. But within the range of his understanding, within the limits of his vision, each desires beauty in his surroundings, beauty of form, beauty of color, beauty of sound.

Again, I do not mean that each sees service to his fellows in the same light, but the impulse to serve, the instinct of altruism, is in the heart of each.

Again, I do not mean that each is interested in the same branch of knowledge, but the desire to know the truth is there.

What I do mean is that each young soul, still tender from its earthly birth and not hardened by the hammer of the world, has these three longings. It is true that the first, the desire for beauty, links with the impulse of sex; that the second, the desire for service, links with the most wonderful of the animal instincts, mother love, yet each is so

different from its linked animal instinct as to be separate from it. The third, the desire for truth, links with nothing that I know of, unless it be the instinct of curiosity.

In many adults these spiritual desires are atrophied and have ceased to trouble or to guide the man or woman, but in simple people they are apt to remain alive in a way and to an extent that astonishes the sophisticated. To retain the eyes of the child, to see the world anew every morning, is a privilege shared by few of the learned and fewer still of what men call the successful.

In some the desire for knowledge is atrophied, though the other two remain. In more the desires for knowledge and for service are atrophied, though the desire for beauty remains, but these are maimed beings who have lost something more wonderful and more precious than any wealth or any position can buy.

The great danger which attaches to university education is that it kills the thirsts for beauty and service and limits the desire for knowledge to the field of a microscope—sometimes to the field of a high-power oil immersion objective and replaces the glad free roaming after truth by a seeking for all knowledge in the slime of the cart rut. That is the danger of specialization.

One of the reasons for the present mental turmoil of the peoples is that their leaders have lost the spiritual instincts, while they in some measure have retained theirs. The simple know less and feel more, and despise those who know more and feel less.

That is the danger. Knowing nothing, or at best, little of the civilization which knowledge has made possible through the application of steam and steel and credit to the affairs of men, many of the common people are seeking to give free rein to feeling uncontrolled by understanding. That way lies disaster. Without continuous application of knowledge the edifice of civilization will fall down, but without continuous application of the three spiritual instincts to the ordering of society it will blow up. The fact that civilization is in danger in parts of Europe is proof that the leaders and rulers of the past either never knew or forgot that merely to apply specialized technical knowledge is to give a stone to humanity clamoring for bread.

You are to be leaders or you will be nothing. If after your university training you are not in the way to qualify for leadership you had better plough the land or grow food for the peoples, for a university man or woman who is not at least a subordinate leader is a parasite, or at best a seton in the body politic. And to you leaders of the future I hand all the knowledge that remains to me from years of striving to find the answer to the question, Whither?

It is simply this: Humanity moves to a haven which we cannot see, but though the sea is dark there are three light-houses to help each pilot, and the first of these is beauty, the second, service, the third, truth. Keeping those three ever in view. civilization will sail safely. Let one be occulted and civilization is in danger. Let two be occulted and peril is nigh. Let three be occulted and civilization falls.

Thus Babylon fell, thus Egypt, thus Rome, in many ways the greatest and proudest civilization that has been. So I doubt not fell all the civilizations of the past. So today civilization totters.

To you and to those like you the civilization of the world is committed. Be faithful to your trust. Before almost you have realized that you are no longer boys and girls you will find yourselves the men and women of the new generation.

If anyone had spoken to me the day I obtained my first degree as I have spoken to you tonight I should have written him down a consummate ass. I was sure then where I am uncertain now, or am now certain in an opposite sense to my earlier surety. If the effect of education has been in the case of any one to turn him or her into an atheist or an agnostic or a materialist or any other brand of non-religious thinker I beg him not to imagine that he is the first or will be the last. Let him not commit himself for ten years to any expression of opinion in that direction. Let him wait for the revelations and miracles that are to come, for the days of revelations and of miracles are not yet ended.

No man could have had a much more romantic or interesting life than I, and yet I almost find it in my heart to envy you. Why? Because the next fifty or sixty years are going to be the most glorious or the most disastrous in the history of the world. My generation cannot hope to

see a successful end to the world revolution which is now in progress, though yours may. You have still a few years in which to grow strong in the battle of life before the full burden of responsibility descends upon you. You must prepare. Let me tell you how. Keep ever before you the sense of your responsibility. Seek without ceasing an answer to the question, whither away? And, though you will never know the end to which the great purpose moves, there will be continually revealed to you the general direction in which to press. Keep the three lights of life steadily in your own view. Help your fellow-men, not to lose them from their sight. Bend all your knowledge and all your power to the day's work. Thus you will live greatly.

Today is the day on which you recall the names and glorify the memory of those who died for America. They gave their all for you. It was hard for them to leave their cheerful and happy world even for a great cause, and you do well to hold them in pious memory, but for some it is harder to live for the same great cause, the cause of freedom and right and humanity. I hope that the call will come to you to live and not to die, but whichever is your lot you will find it difficult. Believe me, to live rightly requires much more understanding, much more vigilance than to die nobly. I urge you to dig deep into the hidden meanings and implications of the spiritual longings for beauty, service and truth, and if my wishes can benefit you now or hereafter I wish you, novitiates in the brotherhood of university men and women, health and strength to serve and happiness in serving the nation to which you owe allegiance and through which, if you so will, you can serve mankind.

THE NEW LAW BUILDING.

The George Washington University announces the purchase of a high class building for the Law School. This property is located at 1435 K Street. It was for many years the home of the Department of Justice, until that Department moved into its new building, just across Vermont Avenue. The property fronts on McPherson Square and is thus: one block from the University Club, and the Department of Justice; two blocks from the Cosmos Club, Shoreham Hotel, and the Arlington Building, now occupied by the War Risk Bureau; and four blocks from the White House. It is within one block of the 14th Street car line and two blocks of the Connecticut Avenue line.

The lot on which the building stands has a fifty-six-foot frontage on K Street and has a depth of one hundred and twenty feet. The building covers most of the lot. It is a four-story structure, the front being of brown stone and the other walls of brick. There is under it a spacious and well lighted basement available for a men's lounging room, lockers and storage purposes. The building contains ample space to house the entire Law School.

Extensive alterations will be made during the summer. The tentative plans contemplate that there shall be two large class rooms on the third floor and two large class rooms on the fourth floor, the second floor will be occupied by the library, professors' offices and a woman's room, while the first floor will be used for administration offices and moot court rooms. Alterations have already been commenced and it is expected that the building will be ready for occupancy by September first.

The Law School has for the past ten years occupied the fifth and sixth floors of the New Masonic Temple. When the Law School came to these quarters in 1910, it had about 333 students. The comparatively high standards had the tendency to cut down its attendance. As years passed by

and young men and women came to appreciate the advantages of high standards honestly enforced, the school began to grow rapidly. The result is that the school has entirely outgrown its present quarters. During the year just closing it has been necessary to hold a class of 150 students each afternoon in the Medical Building.

LAW SCHOOL NOTES.

Our registration for the year 1919-20 is as follows:

First Year		.425
Second Year		
Third Year		. 94
LL. M. students		. 24
Special	0	. 87
Total		759
Total		. 70%

While statistics are not all available, it seems probable that not more than one other school in the Association of American Law Schools has a larger attendance this year than has the George Washington University Law School.

The first year class during the year just closing has been conducted in three sections and the indications are that it will be necessary to conduct each of the first and second year classes next year in three sections. The morning section which was almost entirely wiped out during the war is growing rapidly. During the past year there were fifty-eight students registered in the first year morning section. This multiplicity of sections makes necessary the addition of two full time teachers to the present faculty. One of these, Mr. Albert Levitt, A. B. Columbia, and LL. B. Harvard, has already been procured.

The Summer Session of the Law School will begin on June 21st. For information, apply to the Secretary of the Law School, New Masonic Temple.

EXTENSIVE IMPROVEMENTS IN THE UNIVER-SITY MEDICAL SCHOOL.

The Trustees of the University after a year's careful investigation into the question of medical education in the District of Columbia have announced an important decision establishing a new policy. Owing to the universally admitted impossibility of maintaining a Class A medical school even of moderate size at an expense of less than \$25,000 in excess of the amount that can be derived from the tuition fees and owing to the constantly rising standards and increasing requirements fixed by the Educational Council of The American Medical Association, whose classification and grading of Medical Schools have virtually the effect of law, the trustees have voted to appropriate annually, from the general funds of the University or from the receipts of subscriptions, for the maintenance of the Medical School, the sum of \$25,000, for a period of five years, prior to the expiration of which time it is confidently expected that a permanent endowment yielding an annual income of this or larger amount will have been obtained. The \$25,000 thus appropriated will be in addition to the. revenue of the Medical School derived from the fees paid by students and from all other sources. It will be used in the payment of salaries to additional full-time professors, in some increases to those who have already long served on the teaching staff at salaries that are inadequate, in the establishment of a medical museum, the enlargement of the library and in additions to the equipment of the labora-

In compliance with recommendations recently made by officers and agents of The American Medical Association, that there be a complete separation of medical and dental teaching, the entire medical building at 1335 H Street, adjacent to the University's Hospital and Infirmary, now occupied by the Dental School as well as the Medical School, will hereafter be devoted to medical instruction and to instruction in chemistry. The step had to be taken in order to obtain adequate laboratory space. The interior of the building will undergo considerable alteration. To effect these improvements the Board of Trustees has authorized the expenditure of \$4,000.00 in addition to \$25,000.00 appropriated annually for school maintenance. The work will begin on June 15th, so as to be completed for the opening of the School on September 29th.

The changes and improvements which are being made will, it is believed, not only make it possible for the School

to keep its position in Class A, the highest class, but with the many incidental facilities furnished by the city will enable it to offer the very best instruction in medicine and to assume in a short time that commanding place which a school in the National Capital should have.

The impossibility, after a long search, of finding a suitable separate building for the Dental School, coupled with the fact that it could not be maintained as a separate school, in a creditable manner, except at an annual deficit of \$25,000, besides an additional initial expense of \$19,000 for installation of equipment, has caused the Board of Trustees to vote, upon the recommendation of a Committee composed of Dr. Wm. S. Washburn, Mr. T. S. Hopkins, and Mr. H. C. Davis, to discontinue the Dental School at

the close of the present academic year.

The trustees regret the necessity of such action but feel that to continue the Dental School would be an unwarranted burden upon the other departments of the University, and furthermore that it is not to the interest of the institution to continue a school which because of lack of funds and equipment is in Class B rather than Class A. It is their hope that a University drive will be started in the fall and that an endowment of \$500,000 for the Dental School can thus be obtained. No smaller sum will suffice to maintain a first-class modern dental school, and in closing its school until such a fund can be obtained, The George Washington University is following the lead of a number of the leading universities of the country which like it prefer to maintain no department or school which cannot be kept up to the highest standard.

For the present the University's efforts will be concen-

trated upon the Medical School.

This School is now in its ninety-fourth year, having been opened in March 1825. It is the eleventh existing medical teaching institution in the United States in chronological order of establishment and has given degrees to 1,460 graduates in Medicine.

Like many other medical schools in this country, it was first independent. Later it was loosely affiliated with the Columbian University and finally became an integral part of that institution sometime before the University, by virtue of the act of Congress, approved January 23rd, 1904, changed its name to The George Washington University.

In 1898, in order to increase the facilities for clinical teaching, a University Hospital and University Dispensary

were established.

For many years the school had late afternoon and evening sessions, but in 1908 the University directed that all such classes be discontinued and that day sessions only should be held. This was the first step toward modernizing the school.

In 1902, the old Medical Building in which the teaching had been conducted since 1867, was replaced by the larger and more commodious structure which the school now occupies located at 1335 H Street, about one block and a half east of The Shoreham Hotel. In 1903, an addition materially enlarging the hospital was opened.

In 1909, new ordinances were adopted by which the school, the hospital and the dispensary were completely amalgamated according to the most approved ideas for

medical teaching.

The Department of Medicine of the University thus became a complete medical educational unit consisting of a Medical School, a University Hospital and a University Dispensary. The Hospital and Dispensary came under the same management as the School and the clinical teachers in the School took charge of the clinics in the Hospital and Dispensary so that the work in School, Hospital and Dispensary was completely correlated.

The University Hospital is located at 1339 H Street. It has a capacity of 105 beds. Its clinical capacity is 50

beds.

A Nurses' Training School has been maintained in connection with the Hospital since 1903 and has graduated about 200 trained nurses. The Nurses' Home is at the Corner of 13th and L Streets. It has been completely redecorated the past year, the expense of this having been met by money raised by efforts of the very devoted and efficient Board of Lady Managers who for many years have been of greatest assistance to the Hospital and Nurses Training School.

Last Fall The National School of Pharmacy at 808 Eye Street was merged into the Medical Department as an in-

tegral part of it.

Standing of Graduates of Medical School in State Examinations.

A graduate in medicine cannot practice in any state in the United States until he has passed an examination before a State Medical Examining Board. The percentage of successes and failures of candidates from any medical school in State Board Examinations is therefore indicative of the educational efficiency of the school. The standing of graduates of the George Washington University Medical School before State Boards compares very favorably with that of other medical schools. It is one of the few schools whose graduates had no failures as a result of the examinations before the state medical boards during the year 1918, and they were equally successful in 1919.

A recent number of The Journal of The American Medical Association gives official figures showing the per cent of failures of graduates of the leading medical schools of the country for 1919. Thirty-three graduates of George Washington University took the examinations in different states. Not one failed.

The following gives results for several leading medical schools in the United States as published in the article referred to:

- F	Percent of	
Medical School.	Failures.	
George Washington University	0.0	
Georgetown University	13.0	
Howard University	24.1	
Northwestern		
Illinois	3.7	
Johns Hopkins		
Maryland	8.2	
Harvard	3.0	
Tufts	13.7	
Michigan		
Detroit	5.7	
Albany	14.8	
Columbia	8.1	
Cornell	7.3	
Syracuse	0.0	
Long Island	11.8	
Bellevue		
Jefferson	5.2	
Pennsylvania	8.5	
Vermont		
Medical College of Virginia		
University of Virginia		
McGill	. 23.1	
Average of all Medical Colleges	14.3	

Classification.

In order to inform prospective medical students in what schools they can obtain adequate instruction, The American Medical Association since 1909 has annually inspected and classified all Medical Schools in the United States grading them as Class A, B or C, according to their facilities and work. The "A" schools are of the highest grade, and the George Washington Medical School has always held this rank. It meets all the premedical and medical requirements of every State Medical Examining Board in the Union and its graduates are eligible for all Government examinations, including those for appointment to the Medical Department of the Army, the Navy, and the Public Health Service.

Foreign Recognition.

In addition to full recognition in the United States it is accredited by the Royal (combined) Medical Examining Boards of London, England. There are but nineteen of the eighty-six medical schools in the United States which have the distinction of this recognition, and our school is the only one in the District of Columbia and the only one south of Johns Hopkins University so accredited. A graduate of our school, upon presenting his diploma, can be admitted to the fifth year in any medical school in England, and upon the completion of it and upon taking the final examinations, can be registered to practice anywhere in the British possessions.

THE DYE STUFFS AND EXPLOSIVES LABORATORY

The George Washington University has recently fitted up the upper floors of its Pharmacy Building at 808 Eye St., as a chemical laboratory for special research in dyestuffs and explosives. A number of very important problems are now being solved. Mr. George W. Phillips, formerly a Captain in the Chemical Warfare Service of the Army, Instructor in Chemistry, has been made Director of the Laboratory, under the general supervision of Professor McNeil, head of the Chemistry Department. Professoremeritus Charles E. Munroe, one of the world-recognized experts in explosives, and inventor of smokeless powder, will act as Consulting Chemist.

The lower floor of the building will continue to be used by the Department of Pharmacy, under Dean Kalusowski.

THE REVIVAL OF ATHLETICS AT GEORGE WASHINGTON.

By H. C. BYRD

Ask ten persons what is meant by education and the chances will be good for ten different answers. One extreme is likely to come from those that believe "culture" the sole reason for acquiring knowledge; the other, from those that see nothing in education but the acquirement of a commodity which can be traded for dollars and cents.

Whatever may be the definitions of education offered by the old school or by the modern radical, it remains that the best education is that which equips men and women to render the greatest possible service to their fellows. It, therefore, follows that the educational organization which does not offer opportunities for such development fails to measure up to the needed standard.

An educational institution which sends out graduates without knowledge of the usual activities which surround healthful community life is not functioning with the best interests of the nation in view. Community problems, urban or rural, are largely similar. How best to educate men and women to take positions of leadership in meeting such problems is a question which the educational world is finding it difficult to answer.

To meet this difficulty, to offer in the National Capital something unique in university life, George Washington aims to foster the development of community activities as a part of its general plan of education; after all, the university is a community, face to face with most of the problems and difficulties of the average community. In doing this, the University is not trying to work out anything in the way of a radical sociological experiment, but has evolve I a definite system of organization under which it plans to operate all activities that relate to its student life and to develop them as a part of its effort to equip men and women for their professions.

About two months ago, the Board of Trustees ratified and adopted a plan to bring about the desired development. This plan provides for the appointment by the Board of Trustees, upon recommendation of the President, of a Director of Student Activities, the director to be chairman of a Board of Managers charged directly with responsibility for student activities.

Component parts of a university are the faculty, alumni, and students, and the personnel of the Board of Managers is such as should unify these interests. The Board is made up of three members of the faculty, one each from the Departments of Medicine, Arts and Science, and Law; two members of the Alumni Association; and two students. The faculty members are to be appointed by the President, alumni by the President of the Alumni Association, and students by the Students' Council.

Under the new arrangement, the publications will be organs of the university community, and every factor in the development of other lines of activities will be representative of the three great influences which should shape the life of the University. In other words, the arrangement provides for complete co-operation of faculty, alumni, and students in all things which affect their related interests.

While naturally there will be many activities, perhaps the development of a complete program of athletics will be the largest. George Washington is going back into competitive sports in two ways; in one, to take its place in intercollegiate competition as the logical representative of the National Capital; the other, to offer eventually a complete system of intra-mural games, so that every student will be able to derive the personal benefits which accrue from participation in physical contests.

Without necessity for argument, it generally is recognized that the greatest factor in developing and maintaining a strong morale among students, in unifying the ethical interests of a university, in producing a strong feeling of loyalty and pride in faculty and alumni as well as in students, is athletics. Therefore, it is felt that a broad athletic program is essential; broad in the sense that it encompasses direct relationships with other great universities and in the sense that it is sufficiently far-reaching to touch every student, alumnus and faculty member.

It is not expected that difficulties are not going to be encountered in such a program as has been mapped out, but such difficulties are to be regarded only as obstacles to be surmounted. Somewhat checkered has been the career of the University in athletics, owing at times to a lack of foresight which has caused attempts to build on insecure foundations. Under the new plan the building may be somewhat slow but once the structure is raised it will remain.

Already students are earnestly advocating a movement to raise funds to build a modern athletic field, to embody a gridiron, a base ball diamond for intercollegiate competition and one for intra-mural games, a track, and tennis courts. The bright prospects for this indicates that within the next year or so George Washington will have its own athletic plant, with modern equipment, for the first time since the days of Van Ness Park, thirteen years ago.

The University completed its plans so late that much doubt was expressed about the advisability of attempting to arrange a foot ball schedule for next fall, but it was felt that something should be done to make a start. A schedule is nearing completion, and six or seven games will be played at home and one or two away. The program for next year involves full schedules in base ball, basket ball, and track and two or three branches of girls' sports.

With the desire to take its place in the van of all collegiate activities, intending to offer its students every possible opportunity for development in all things which pertain to a well-rounded education, the University has taken a step which depends for its ultimate success upon co-operation of faculty, students, and alumni. The groundwork has been laid by the Board of Trustees, but others must put up the building. From the men and women within the University and related to it must come the initiative and unification of effort, the driving force which will be needed to produce real results.

College Influences Before the War and After the War

AN ADDRESS

Delivered Before

The Zeta Chapter of Phi Beta Kappa

at the

Commencement Exercises

of

Hobart College

June 14, 1920

BIY

WILLIAM MILLER COLLIER.
President of The George Washington University

The titanic struggle from which the world is just emerging has put every human institution to the severest test. The vastly changed conditions resulting from this great upheaval present new problems so important and so perplexing that we are again compelled to examine into the means and methods which we use to accomplish our purposes and to investigate the efficiency of all our agencies. Everyone will concede that of all the instrumentalities employed to advance the interests of mankind none are of more vital or of fundamental importance than those which deal with education. To educate is to draw out. extend and expand; it is to generate, stimulate and co-ordinate the energies of the people. To educate is to consummate. Knowledge is power. The proverb is trite, but its truth is established by national as well as individual experience.

I propose this morning to speak to you about certain features of the educational systems of some of the nations lately engaged in the Great War and about the relations of their colleges and universities to national life in war as well as in peace. While I shall say something about primary and secondary education,—common schools and high schools—the character of my audience requires that I give special consideration to the institutions of higher learning,

some of them called universities and some of them called colleges. The latter term, however, is often used generically for them all and when I employ it in this address, it will, unless otherwise explicitly stated, include universities which seek to give instruction in almost every branch of learning as well as the smaller institutions called colleges which limit the scope of their work and which as a rule do that work with fidelity, with credit to themselves, and with inestimable benefit to the world.

I shall not limit myself to a consideration of the colleges and universities of America, but shall attempt briefly to draw some lessons from the teachings of the World War as to the merits and defects of the educational systems of two other nations, England and Germany, one our great associate power, the other our enemy in the late war. I make no apology for this, because we can learn from foe as well as friend and each may exhibit things for us to avoid as well as things to adopt. I deem it wise to consider the universities of England and Germany and their activity and influence in the war because our small American college is largely patterned after the colleges that compose the English universities, while our American universities, although retaining many of the features of English university life, have been very much influenced by the German universities, from which, prior to the war, they drafted many of their professors. Moreover, England and Germany were in the war much longer than we, and the starting of it by Germany was largely due to her false educational system. To discuss the influence of colleges upon the activities of peoples in war and peace without giving consideration to the methods and aims of German and English universities would be to ignore very powerful factors in the development of civilization and to treat with contempt institutions which are, perhaps with the sole exception of the Catholic Church, the oldest in the world in point of continuous existence, the most venerable, the most securely founded. Some of Germany's universities date back to the middle ages; and Oxford and Cambridge have seen dynasties come and go, constitutions change, nations rise and fall, empires evolved, social systems replaced, and new worlds discovered. Sic transit gloria mundi; but colleges and universities are the most enduring of all earthly institutions. I am prompted, moreover, to give extended consideration to the English and German systems of education not merely because their great universities are historically interesting, but because each of these two systems had its own characteristic and distinctive method and aim; and in American institutions of higher learning these two methods or aims were in conflict or were struggling to find a point of adjustment when the war broke out. Whatever the experience of England and Germany teaches as to the influence of their universities upon national character is of great value to the United States. It is not, of course, an unerring beacon to guide us but it is much more than a side-light.

I regret that lack of time prevents me from giving full consideration to the universities of the other Allies. wish I might speak of those of Belgium whose burned and pillaged university at Louvain made such a mute but effective appeal to the scholars of the world,-mute, I should not have said, for the very stones of her ruined library cried out for vengeance. I am especially sorry that I cannot make extended reference to the educational system of France whose excellent universities, but especially The Sorbonne at Paris, have ever attracted students, yet never so much so as now when the world has awakened to a realization of their merits and of the exaggerated claims and unduly high rating of the German universities before the war. I regret also that I cannot speak at length about Italy in this connection. There, the first universities in Europe were started hundreds of years ago, at Salerno and Bologna; and to that country we look not only for inspiration in arts and letters but also in science, particularly in that relating to electricity. Lovers of learning not only revere Italy as the Mother of the Old Masters, such as Titian, Rafael, and Michael Angelo, but as the still fecund matron who, in modern times, has brought forth Galvani, Volta, and Marconi.

So important is the role played by the college in national life that there is no more profound and vital question for the statesman and the scholar than this: "What is the effect of an educational system upon the national character and the national institutions?"

The World War furnished us many interesting revelations of the influence of the different systems of education upon the peoples engaged in it and upon their political and social organization. The excellence of German education. no less than its universality, was formerly very generally admitted even by those who later were the enemies of that Empire. More than a half century ago, Lord Palmerston sneered at "the land of damned professors;" but Englishmen, like former Ambassador James Bryce, better qualified than he to pass judgment in this respect, praised it very highly in ante-bellum days. At that time, the German university was a fetich for the world's scholars; but even then there were some critics, severe although not unkind, most notable, perhaps, being Mr. Price Collier in his book "Germany of the Germans." Even the German Chancellor, von Bethman-Hollweg, a few years before the war, publicly expressed his misgivings about the soundness of the German system of education.

Let us glance at that system as it existed at the outbreak of the awful struggle in 1914. Compulsory common school education had been inaugurated in Prussia as early as 1717, two hundred years previously, and the system had been continuously maintained and extended until it affected all children between five and fourteen years of age. There were also what were called compulsory continuation schools for those between fourteen and seventeen years of age whose circumstances compelled them to work, yet, who, under this system, received supplementary instruction for a certain number of hours each week. The result was that nowhere else was illiteracy so small, the percentage being so infinitesimal as to be negligible. Secondary education had been no less well provided for; and technical, vocational, commercial and professional schools of all grades abounded and the attendance was very large. But it was the universities with their great student bodies, their large faculties with world-wide reputation for learning, their varied courses, their thoroughness of research, their opportunities for specialization, their attention to applied as well as theoretical science, which shaped and directed modern Germany and made it what it was on that day when it hurled its iron might upon defenseless Belgium. In no country were the people better educated. Nowhere were there more experts in all the occupations of life. Practically every German was a specialist, an intensive specialist. The degree to which specialization had been carried in its universities is well illustrated by the story of the professor of Latin, who, at the close of a long life devoted to the study of the noun. expressed the keenest regret that he had not confined himself to the ablative absolute.

The German educational system also concerned itself very largely with commerce and business, especially administration, co-operation and co-ordination. The effect was apparent in the way in which that country was able for so long a time during the war to husband its limited resources and defy the whole world.

Another distinctive feature of its education, from the primary school to the university, was the extent and the spirit of its teaching of its own history, its "Kultur" and the means of attaining its racial and national aspirations. Patriotism was its religion. The glory of the country, the greatness of its ruler and the superiority of its people were preached day in and day out. The achievement of what was regarded as its future destiny was the purpose of all its instruction. The ideals and ideas even of the masses were traceable to the lectures and writings of the professors of history in the universities. Probably no teacher ever influenced a nation's political thinking as Treitschke did. He was the incarnation of the Prussian spirit. Oddly enough he was Slavonic by race rather than Teutonic, and Saxon, not Prussian, by birth; but he was thoroughly Prussianized. He had become intoxicated from the cup of Bismarck's power and he had passed the poison on to all his countrymen.

Very different from the system of the German universities was that of the English. The latter, in general, offered a prescribed uniform course for all students. It proceeded upon two assumptions which are in the main correct, namely: that every normal man has by nature many faculties, talents and tastes, each more or less active, and that each of them should receive some development in order that his association with other men may be agreeable and helpful; secondly, that all branches of knowledge are interrelated and that some knowledge of each of the more important ones and of the bearing of each upon the others, is essential in order to obtain a perfect understanding of any one branch. This system is frequently spoken of as individualistic, since it is the attempt to perfect or develop the individual. The statement of the purpose is correct, but in reality this system gives no heed to what is peculiar or personal in the individual in the matter of tastes and talent. It aims only at an average and applies only one standard. All are run through the same mold and become more or less of one type. A general course of study may to a certain extent

help to stimulate a faculty not normally active; but even here, since the course is uniform and makes no allowance for the varying degrees of deficiency of development, it fails to produce the model of its type. If the proper end of education be to develop the perfect all-around man it would seem that we all ought to specialize, not, however, in that in which we excel but in that in which we are deficient. Nevertheless the man who has taken the general rather than the specialized course of study does get some training in many lines and undoubtedly receives a preparation which enables him to profit greatly by his subsequent special training. Considering the value of his education merely from the economic standpoint, he is more self-sufficient, more self-reliant, and in a sense more independent. Such an education is ideal and in fact indispensable in an individualistic world or state or community. Even in a highly organized society it is helpful to the extent that men must help themselves. This system of education is not only adapted to the requirements of people among whom the individualistic principle prevails but it also tends to foster it and to shape their institutions and organizations according to it. It is the natural system of education where the doctrine of personal liberty exists, and speaking generally it is repugnant to the idea of strong centralized government. In the public service, it is, perhaps, the best preparation for the work of legislation, which essentially is a compromise of many opinions. Possibly it is also the best preparation for the work of the judicial tribunal and of the diplomatic service, where a knowledge of men and their temperaments is requisite. In itself, it is not a sufficient preparation for administrative work. In the political organization of a state whose people have been thus educated, the unifying element is the sympathy that exists, due to the similarity of ideas and ideals.

PRESERVED.

Specialization, which is the characteristic of German education, does not seek to perfect the man as a whole, but as a part of the community. It does not fit him for independent individual activity, but it does make him more efficient when co-operating with others. The more that he devotes himself to one thing, the less well he can do other things and the greater becomes his dependence upon others. He will have more need of them, yet less in common with them. But just in the proportion that he can do something better than others, they in turn become dependent upon him.

Dependent is thus able to demand the co-operation of dependent, and paradoxical as it may seem their mutual interdependence gives them collectively more liberty of action and freedom of development than would political independence of each other, because our most imperious masters are not our political rulers but our physical wants. The nation whose people have been educated under a system of specialization naturally becomes more compactly united. In the political organization of this people the unifying element is their mutual needs fortified, it may be, by gratitude and loyalty to those who have created the organization and by pride in it and love for it. A nation whose education has been specialized is also almost certainly if not necessarily, very much stronger industrially. While there may be a certain degree of weakening of individual initiative, this trait will survive in very many of the inhabitants, and any lessening of it will be more than counterbalanced by the extra skill of all the people which results from training. Such a nation is an aggregation of those who have developed to the utmost their strongest faculties.

In a nation of many millions of inhabitants, such is the variety of talents and tastes among men that special training of each in what he can do best means that every faculty and every talent found in man is developed to the highest degree in great numbers of men. And the very weakness of each one in the thing in which he has not specialized strengthens the spirit of unity amongst them, for since each cannot do everything all are forced to act together. Cooperation rather than individualism inevitably becomes the principle of their activities. Centralization of power of control and direction is no less certain, for without it cooperation is not successful. Leaders are needed, and the training of leaders becomes a specialty. The effect of this specialization upon industry and upon government are unity of purpose and plan, directness of action, saving of energy, and a resultant efficiency which is impossible where each individual is an average good all-round man, less dependent upon others, less willing and less obliged to co-operate, and less submissive to control and direction.

Specialization unquestionably has a certain tendency to bring into being and to build up the co-operative state, that which is popularly called the socialistic state.—one in which the power of the state is exerted in industrial and social matters, in behalf of the people to do for them that which Americans and English generally consider should be done by those individuals who are directly interested. That has been the tendency of German education. No one will question that under the old regime Germany was an autocracy despite many specious limitations of the Imperial Constitution; yet when the Kaiser's power was at its height, Germany was a co-operative state, more nearly socialistic than any other great independent nation. Evidences of this were its social and industrial legislation dating back about thirty years, securing pensions for the aged, the sick and the unemployed, and its extensive application of the principle of municipal ownership.

SERVICE SERVICE

What will be the ultimate effect upon the organization of the state if specialization in education goes on? Does specialization necessarily mean the substitution of the socialistic state for the individualistic state? Is it possible to secure the benefits of specialization without incurring political evils? Can there be a co-operative industrial system in a country without its shaping the political organization along similar lines? It is impossible to overlook the steady growth of co-operative government, that is, of governmental participation in industry, in countries that long boasted of their adherence to the principle of individualism. The legislation of Great Britain for two decades has been a series of surrenders by individualism.

It is hard to conceive of the abandonment of the principle of the division of labor, for it seems to have a sound economic basis; yet division of labor means specialization; specialization necessitates co-operation, and co-operation requires centralization of control. All three of these things must concur, otherwise the purpose of the division of labor, namely increased productiveness, is not accomplished. The economic limitation to the process of sub-division is, of course, the point where the labor of co-ordination and supervision, which division and sub-division necessitate costs more than it saves. But where is this point? As administrative skill seems to increase with every new division, the point to which I have referred, constantly recedes as we approach it. Economically, therefore, it is impossible to set a definite limit.

But there are other things in life than the material. And even if we grant that there is no profitable limit to subdivision and specialization we must nevertheless ask ourselves this question: "What are their social effects?" Do

they dwarf life and destroy personality? Do they make man a machine? If so, we must fix limits even although they appear to be arbitrary; for it profiteth a man nothing if he gain the whole world and yet lose his own soul. On the other hand it would seem that any system, which enables man with less effort and in less time to provide for his physical wants, must give him more means and more leisure for the cultivation of the mental and spiritual. The real problem is to keep him from creating new wants as fast as he devises methods for satisfying those already existing. The remedy is, amidst the material to proclaim the idea of the spiritual as something higher and better to which the material should minister. This is the most important work of the college as well as of the church today. All in all, I firmly believe that the mass of mankind is nobler in thought, nearer the Divine, less sordid and less brutish, than in the days of primitive labor, and that every improvement in industry makes possible an advance in civilization.

Technical education may be regarded as one phase of specialization. The excellence of the work along these lines in Germany before the war was universally admitted. Technical schools of all grades, from manual training schools for the young to Institutes of Technology of university rank and equipment, abounded. The effect of technical education upon the character is in many respects unquestionably helpful. There is a definiteness of purpose when one studies subjects that fit him for the practical tasks of life; there is a reality and vitality in them that call forth enthusiastic and genuine effort. There is a sincerity and earnestness in the study of these things which is often lacking when abstract subjects are perfunctorily studied and learned superficially with the feeling that they will never be serviceable and that they will soon be forgotten. The latter evils are a frequent, though not inevitable, incident of much of the study of the classics in our American colleges. There is a measure of danger that excessive devotion to technical subjects will make one materialistic in thought. Constantly dealing with things and the cost of their production and the profit to be derived from their sale, there is a certain tendency to make money the goal. This evil is no more a certain result of technical study than insincerity is a necessary incident of classical study. Yet in both cases the evils that I have mentioned are frequent

incidents. I do not oppose technical education; on the contrary I favor it, for I believe that one who does his work badly may be quite as materialistic as one who does it skillfully. The important thing is to inspire the worker with the feeling that there is something in life higher than the amassing of wealth. The whole world has arraigned Germany for having been thoroughly materialistic; and she has pleaded guilty. Her own preachers strongly inveighed against this evil in her life; but it was an evil by no means limited to that country. We of the United States, have often been charged with being worshippers of the almighty dollar. Nevertheless I feel that Germany unquestionably was the chief of sinners in this respect and that her system of education and her devotion to commerce and industry made her forget the earlier idealism which characterized her life.

Germany's attempt to inculcate patriotism in all her institutions, educational, social, political and military, is worthy of serious consideration at a time when the world is stirred with a new born feeling of nationalism; for we have a strong revival of nationalism in the world despite efforts towards internationalization. The virtue of patriotism, in Germany, was exaggerated and distorted. false idea of the State and its nature was taught by its professors. The theory of sovereignty was developed by them into a denial of all responsibility by the State and a repudiation of all obligations inconsistent with its interests. Had German professors not taught that Deutschland was above everything, that once proud nation would not have fallen so low. Nations must recognize that above and paramount to them is a law governing their relations and that to it obedience is morally and legally due. Doubtless individual citizens and subjects must ever look up to their own nation as supreme and absolutely sovereign over them. The duty of obedience to government and the love of country must be more and more preached and practiced, but the events of recent years show how much every person owes it to his country to influence its policy and conduct so as to cause the recognition and observance by it of the rights of other nations. This does not mean that we should subordinate our own nation to others. It means exactly the contrary; that we should recognize them as free and equal. I believe in the independence of nations. I am opposed to the League of Nations as presented to the Senate

by President Wilson. It is a snare and delusion; a repudiation of international law; the confirmation of political intrigue; the destruction of the equality of States; the enthronement of imperialism; the violation of the American conscience; the endorsement of treachery towards one of our Allies and the approval of treaty provisions which are inconsistent with the principles that we declared upon entering the war, and which are inimical to permanent peace.

But the more a nation is independent, the more it is incumbent upon it to teach its citizens to respect the rights of other nations. It should insist on the allegiance of its citizens and it should foster love of country; but it should also teach the obligations that we owe to citizens of other countries and should promote love of humanity. True patriotism prompts the desire that one's country should be righteous as well as strong. We hear much of Americanism and the necessity of stimulating it. What is Americanism? The late Senator Hoar, an American of New England stock belonging to one of the families longest resident in this country, uttered a wise counsel as well as a noble sentiment when he said: "May I never place my country's interest above my country's honor." For nearly a century, we Americans have proudly repeated Commodore Decatur's famous toast: "Our Country, may she ever be in the right; but our Country, whether right or wrong!" Practically the individual citizen must ever act upon this principle, for the will and the opinion of one cannot in such matters be paramount to that of the majority.

There is, however, another sentiment, not inconsistent with Decatur's but complementary to it, which should also guide us in all our conduct. It found expression in the words of Carl Schurz, a naturalized American, who served this country faithfully and efficiently on battlefield, in diplomatic post, Cabinet council, and Senate chamber, and who was one of the most helpful and healthful influences in the reform of our political methods. His words were: "Our Country, may she ever be in the right; but if she is not in the right, it is our duty to set her right."

Personally I believe all genuine lovers of their country will admit that while we must detest those who merely expose their country's faults without effort to correct them, we must cease to regard as patriots only those who laud and praise their country and who seek to justify it in what-

ever it does. We must realize that those who strive to correct national faults are really the ones who are making their country better. It is, however, also incumbent upon us, and at this moment, in my opinion, is of supreme importance, that we rightly estimate the virtues of our country, the value of its institutions, the advantages of our form of government and the blessings of the Constitution under which we live; that we cultivate respect and love for all these things: that from press, pulpit, platform and parlor, school and shop, factory and field, we proclaim the essential soundness of our political and social principles and our absolute need of them to secure individual liberty and public order; that, in this way, we combat the errors of those who disparage or discredit them in word and thought; that we punish those who, by violence, seek to overthrow them; and that we put in restraint those who counsel the use of force instead of the appeal to reason in order to bring about changes in government.

SALESSA BEEN

It is also necessary that we do not under value our independence, nor forget the blessings it has conferred upon other nations as well as upon our own. The need of the hour is to develop both the American conscience and the American consciousness, and then to see that America acts in accordance with the dictates of her conscience and her judgment; that in foreign affairs she is neither controlled or hampered by covenants with other nations, many of whose recently revealed secret treaties and whose international acts have been such as not to justify her in accepting them as keepers of her conscience or as arbiters of her destiny; and that in domestic matters her highest aim shall ever be to give to all her citizens a fair and equal opportunity for the fullest personal development and the attainment of the highest happiness.

Another feature of German university education which deserves our attention because of its effect upon national character, is the lack of what we call college life, the want of college loyalty. The absence of the latter is largely due to the fact that few German students take their complete course at one university. Frequently they go for one year to a university whose corps life they wish to enjoy, then for another year or two to one whose professors are pre-eminent in certain studies which they wish to pursue, then for a final year to another university where other studies are supposedly better taught. The teaching staffs

of German universities before the war never sought to develop character. Whatever was done in this way was by the student organizations called corps, which in many respects resemble American college fraternities. With some cherished traditions and highly prized associations they influenced those who belonged to them but their membership being limited in number they did not directly affect all the students. They were aristocratic rather than democratic; they tended to divide the student body into small groups with special interests rather than to consolidate it into a unit with a common spirit. Moreover the German university does not have annual classes such as we have in America; the comradeship of classmate is unknown. There are generally speaking no college sports, no organized university social activities. The evil incident to the excessive attention to these matters in American colleges is admitted by all; but when they are properly controlled the good resulting from them far outweighs the evil. The difference between the average age of the student bodies in America and Germany necessitates, it is true, different forms of associations and methods. Yet, all in all, one is forced to the conclusion that the entire absence of the features of college life that I have mentioned has a certain tendency to prevent the development of the sense of fellowship, the human sympathy, the tact, the habit of mutual give-and-take, the ability to understand others, which are so absolutely essential to men in a world of men. One is constrained to believe that this is probably one of the causes of the failure of Germany's leaders to understand the psychology of others and to be understood by them, although we must remember that even the Kaiser himself attempted to increase acquaintance between the scholars of his country and our own by his encouragement of exchange professorships.

Incidentally I have already spoken somewhat of features of English university life. A brief specific reference to it is, however, necessary to a comprehensive treatment of my subject. I feel that I cannot do better than to quote from former Ambassador Bryce, so long the Regius Professor in Civil Law at Oxford. Perhaps before giving you his enthusiastic words of praise of the universities of his own land, I ought to acquit him of the charge that may possibly be preferred against him of being prejudiced, by saying that no person before the war more highly praised the amplitude of the provision for instruction in German

universities, the learning of their professors, the completeness with which their teaching was brought to bear upon every department of practical life, and the value for this purpose of the full knowledge and the exact training given by them. Comparing England's universities with them, he wrote:

SALESSAM BUT

"Although the great scientific discoveries of the last century are due to Englishmen, in recent years these universities have not contributed to original research either in natural science or humanistic subjects as have those of Germany. Less completely organized for the purposes of instruction, they educate a smaller proportion of the population. Since the Reformation they have been for the most part places of resort for the upper and middle classes, and it is only within the last thirty years that they have been rendered easily accessible to the promising and diligent youth of the poorer sections of society. But they have had conspicuous merits. The ideal is not to fit a man for a particular walk in life but to give a general education which will fit him to be a worthy member of church and commonwealth. They have sought to develop men as men, to create or develop the well-rounded and harmonious character, one of symmetrical completeness. In aiming at this they have thought not only of learning or the powers of the speculative intellect. but also of the aptitudes which find their scope in practical life, and which enable a man to work usefully with other men and to exercise a wholesome influence in the commodity. They have long been associated with the public life of England, and the graduates of each of them gratefully acknowledge their indebtedness to their alma mater. The debt is not so much the knowledge acquired or even the power of public speaking. It is, perhaps, rather the knowledge of human nature, the tact and judgment, the sense of honor and comradeship, which daily social intercourse in the colleges tends to form, the result of the domestic life which brings the students close together. undergraduates dine together in the same hall with the graduates, worship at the same chapel, have their sports together. They form friendships and learn as much from each other as from their teachers. There is an easy and familiar intercourse between the students and the teachers, especially the younger teachers. There is what we call an atmosphere, that intellectual and social tone which forms manners and refines tastes and strengthens characters by traditions inherited from a long and splendid past."

This was said several years before the war. How nobly during that awful struggle the academicians of Oxford and Cambridge conducted themselves. How eagerly they offered their lives for their country. At the first bugle's blast these classic halls were emptied. The University men were among the very first of all Englishmen to give proof of patriotic feelings; and they "carried on." The lack of scientific training at times put them to some disadvantage, but idealism and initiative gave them the will to dare and the power to conceive.

It is somewhat difficult to generalize as to American institutions of higher learning, so numerous are they, so varied in type, so different in their methods as well as in their environment. Yet as a rule, they all have a distinctive American college life. In every one of them, however numerous the courses of study and however complete the equipment, the association of students with each other in class and in fraternity and the sense of filial relationship to the college are considered to be amongst the most powerful factors in the training of their minds as well as in the development of their characters. The life of almost every American College is such that the institution becomes to the student a living thing, the object of affection and endearment. Little though it be, it is loved, to paraphrase Daniel Webster's famous utterance in the Dartmouth College case. The college becomes the "Alma Mater," the dear old mother. Thus the sweetest of words are used to express, and the strongest of all human ties are used to symbolize, the most endearing and the most enduring of the influences to which youth is subjected. I remember that when I was an undergraduate at Hamilton College, an alumnus who recognized the universality of this sentiment which regards the college as "dear mother," but who questioned its value, offered a prize for the best poem on college life which would not contain the words "Alma Mater." This man was wrong in his evaluations. Our symbols often stand for that which is most real in our lives; our metaphors frequently are the clearest expression of our true feelings.

"Alma Mater" is the epitome of American college life. It gathers within itself all the ideas of fraternity and society, of class comradeship and college spirit—all of obligation and duty, of affection and devotion. It is akin to the idea that native land is "mother-country." Patriotism is nothing but the full flower of it. It was Horace, the poet whom every college man reads, who said: "Dulce et decorum est pro patria mori," It is not strange that the spirit of patriotism was exemplified in the late war so whole-heartedly, so self-sacrificingly, by millions of men, but by none with more spontaneity, more zeal, and more fortitude, than the thousands who went out from college walls, bidding goodbye to alma mater, and singing as their dedicatory hymn to Mother Country:

"Common mother of us all, Our hearts, our hopes, our prayers, our tears, Our faith, triumphant o'er our fears, Are all with thee, are all with thee."

Today the War is over so far as armed strife is concerned. Great as were the struggles and sacrifices of the contest they called for no more strength or effort than do the mighty tasks which we must undertake today. The marshalling of our military forces, the planning of our campaigns, the winning of victory for us and our Allies, necessitated no greater talent or training nor any higher degree of courage or fortitude, than does the great work of reorganization and reconstruction. Not only have we gigantic physical tasks to perform in repairing vast districts that have been devastated, in reviving industries and in re-establishing commerce, but we also have political and social problems that are at once profound and perplexing. It is frequently said that we live in a New World. That statement is, however, full of error, and those who base their plans for reorganization upon it are foolish. They will fall into such an abyss that they will very greatly doubt whether they are living in the World. I need not specify what the name of the abyss is, except to say that disillusioned optimists will realize that it is not Heaven. We may as well face the facts. To do so is not to be cynical; it is merely to be sensible. Since the war, as before it, we live in a very old world-as old as the temptation of Eve, the fall of Adam and the killing of Abel by his brother -an old world in which there still dwells that oldest of citizens, Mr. "Old Man of the Flesh." Beyond question the war stimulated spiritual life; but it also stirred up bestial passions and it engendered new hatreds and rivalries. We must appeal to the best in men; we must steadily strive to make men better; but if we forget that there is still much evil in men and in groups of men—classes, masses, nations and races—we will merely make the best of men the victims of evil men.

We do, however, live in a greatly changed world,—one in which races have been thrown into unheard-of relations with each other, in which nations have been hurled down and other nations built up, in which class consciousness has been immensely increased, in which customs and habits and institutions and constitutions have been much altered.

Not only do we live in a changed world, but in a changing one,-a world in a condition of unrest, topsy-turvy, in a whirl, dizzy and dazed. The changes that have been made and those that are being advocated present to mankind problems such as never before tested its mental and spiritual strength. Many visionary schemes have been proposed, many pernicious suggestions have been made, many fallacious theories are being advanced; on the other hand ' there have been some honestly conceived plans and some widely considered proposals. Great are our perils but great also are our possibilities. We cannot shut our eyes to the fact that if we are not to wander into paths which may lead us into bottomless pits, if on the other hand we are not to fall short of the very mountain tops of human attainment whence we may look over into The Promised Land, we need to walk, with the lamp of experience for our feet, with the light of reason shining in our face and with the star of hope guiding us onward. To select the true, to reject the false, to hold fast to that which has proved to be good, to seek nothing in its place until it gives sure promise of being better, to adapt ourselves to conditions that have actually changed, to create new agencies if really needed, and to fit ourselves individually and collectively for the work at hand,-this is the great task of mankind. It will require all the stored-up wisdom of the ages and all the intelligence of open, active and liberal minds. It will necessitate a general extension of education, a far wider diffusion of knowledge, a learning broader in its scope and more profound in its research.

Here in the United States as well as in practically every other nation of the world, these complex problems are to be solved by democracies. Millions of men, and also millions of women who have not hitherto participated in the direction of government, either directly or through their chosen representatives, are to work out the answers to these questions that so vitally affect all mankind. The masses, not the select few, are to be responsible for the principles which will be followed and the policies which will be adopted. How great the need of universal popular education of the highest type and of the most varied character! How absolute the demand for the development of the character of every individual citizen! More than ever he is to be a ruler. He must have the training of the ruler, or democracy fails and with it our hopes.

In the War we learned the lesson of military preparedness, perhaps not all the lesson. No less important is preparedness in and for peace. The peoples of the World must prepare themselves for the tremendous tasks that lie immediately ahead of them. Great results are obtained only by the nations that think beforehand, determine in advance their policies, equip themselves for carrying them into execution. Nine-tenths of wisdom, it has been said, consists in being wise in time. The demand of the world in every field of activity is for such previous preparation as will ensure efficient action at the instant that action is required. Nowhere more than in England and the United States was there greater need of a revision of ideas as to the need of special training or preparation for given tasks. England, long the leader in industry, long in possession of the markets of the world, had before the war become selfsatisfied and unwilling to learn new methods. She had neglected vocational and technical training until the markets of the world were slipping from her grasp and her maritime supremacy was threatened. We, of America. for many years, had succeeded and prospered because of the marvelous richness of our resources and the multiplicity of our opportunities and the lack of keen competition from abroad. We boasted of American adaptability, of our ability to do anything to which our hand turned. fancied that any of us could do anything sufficiently well without any previous training. Perhaps the most distrustful of our countrymen as to this universal capability was the one in the story who, when asked if he could play the piano, answered: "I do not know, I never tried." World

competition and the challenge of the great war have altered our views and we realize now the need of special training for every task, the necessity of systematic study under skilled and experienced teachers. The people, therefore, are making increased demands upon their colleges and universities.

Our intellectual horizon has widened immensely as a result of the war. Our curricula must everywhere, in colleges as well as in universities, be modified. In the latter, at least, they must be amplified. Our new international relations necessitate a much more universal and more complete knowledge of international law and international polity and of the history of other nations wherein we find revealed that which more and more must become a developed science, international psychology. Changed commercial conditions demand that many more of us learn foreign languages, be acquainted with foreign customs, have a more extended knowledge of the political and physical geography of all the nations of the world and of the resources and needs of each. Now that nations are the virtual competitors in the world's markets, how increasingly important has become the study of political economy and of international finance and exchange. How essential, too, because of the keenness of competition, is thorough training in every one of the sciences that are applicable to industrial production as well as all those that relate to business organization, commercial methods and accounting. Considering the numerous questions as to the relations of classes and masses, was there ever a time in all mankind's progress when sociology should be studied more profoundly, more honestly, more universally? Was there ever a moment requiring greater vigilance in watching every development and change in our constitutional system and in grounding ourselves in the principles of government? With the tremendous increase of official functions, does not the science of government, especially of administrative government, take on an importance hard to overestimate? In an age when races of the most widely differing characteristics are being thrown together intimately, can ethnology remain only the diversion of the dilettante? With the strange revelation which the war gave of man's nobility of soul even in the midst of fiendish brutality, should not the spiritual be a field of study and of scientific inquiry of the greatest importance and the greatest interest? Should not moral and mental philosophy, ethics and religion be more

and more studied? In fact as men come closer together and the corners of the earth are brought nearer to each other, must not every educated man say, as did the Roman poet: "Nothing that affects mankind is foreign to me?"

In the last quarter of the last century the changed conception of the mission of the institutions of higher learning in a democracy, gave birth to the university extension movement. The University went to the people. It established lecture bureaus and correspondence classes. Public forums were opened; popular discussion was encouraged. Social centers were created; libraries were put in circulation. Summer courses as well as night schools were inaugurated: college credits were given to those who attended regularly and passed the prescribed examinations. In this way most of the Universities and many of the colleges have been, and are today, endeavoring to raise the standard of the masses and to prepare them for their duties. Of course there are dangers in the extension movement. There is the possibility of superficiality and of getting, as has been said, "the second-rate second-hand." There are many institutions where the limitations upon successful work of this kind are very great. As a rule State universities can best do it; but speaking generally, with the increase of democracy's duties the need becomes more imperative for every institution to try to fit all within its radius of action for the discharge of those duties. It must seek facilities to expand its work within its walls and to extend extramurally.

Can our institutions of higher learning meet the new demands of the times? I feel sure that they can and that they will. It will, however, be necessary for them to appreciate not only the magnitude of the task but also its variety. Everywhere facilities will have to be increased. equipment perfected, and above all a decent standard of salaries fixed for the teaching and administrative staffs. Great as is the work, it does not call for the establishment of new colleges. There are over six hundred in the United States now. The strengthening of those that exist is the need. In undertaking to do this we must consider the differences in the conditions in the various colleges, the variety of the educational needs of the country and particularly the special requirements of the locality or constituency which each one is under obligation to serve. Each institution of higher learning should determine the radius of its activity and the scope of its work, and then equip itself thoroughly.

I am one of those who believe that there is a place for the great university and also for the small college, and that our educational system will be perfected when the two types co-ordinate their work. The larger portion of the young men and women of the country have neither the financial means nor the inclination to take strictly cultural courses. As the democratic idea spreads, the universities will more and more feel it to be their duty to do what they can to broaden the lives and develop the minds of all who can be reached and to fit them for the practical duties of life, rather than to give the highest culture to the comparative few. Those universities which are supported by the States and perhaps others which are richly endowed, will continue to offer courses in most of the subjects of leraning and to give great freedom to students in their choice of studies. Yet where they are not sustained by the taxing-power of the state. I believe that even the great universities will cease to attempt to teach everything and that in higher studies, where students are comparatively few, they will avoid unnecessary duplication of work and each will confine itself to teaching that which it can teach best by reason of its equipment or its location.

The World, it is said, has been made safe for democracy. But in this year of its triumph democracy faces its greatest trial. It has to demonstrate that it, itself, is safe for the World. In our thoughts about democracy we are too prone to consider only the first part of the word, the "demos," the people, the multitude, mass action. We forget that the second part of the word, the "cracy," states its essential meaning and sets forth the true purpose of democracy, namely to rule, to govern, to direct. The greatest need of mankind today is wise leadership. Without this, democracy is anarchy. That leadership must be representative and not personal, with a division and not a centralization of power; otherwise democracy lapses into absolutism. The highest function of institutions of learning today is to teach respect for law and for legally established authority, to instill into the minds of the people a conception of the necessity of leadership as well as to train as leaders those who have the necessary natural capacity. In my opinion this is a field of work in which the American college as distinguished from the university.—the small college—can render specially valuable services. The training of leaders requires, today as never before, education in those subjects which

the small colleges have taught in the past and for the broader teaching of which they can, with comparative ease, secure additional facilities.

It is frequently said that the education of the future must relate more to the physical and applied sciences, that instruction in them is necessary to triumph in war as well as to win in the industrial competition that exists today. We realize that every man must specialize and train the faculty in which by nature he excels. Yet the late Great War itself and the things that led up to it show that education is needed in other things than the physical sciences. In fact, that universal struggle was a fight against misapplied science and in particular against perverted material science. There is need, now more than ever, of education in political and moral sciences, in philosophy and psychology, in history, in the humanities. The war taught us that morale is as essential to military success as machines; it revealed to us the strength of the spirit as well as of the sword; it taught us that nations have souls no less than the individuals which compose them. Therefore all the studies that I have just mentioned have become of added importance to us. In the rendering of this great service to humanity I know of no better agency than the small college, -institutions, like Hobart, seeking to do not much but to do thoroughly what they attempt to do, institutions endowed with high ideals, rich in glorious traditions, free from state control, supported, however, by men of public spirit, officered by men of unselfish devotion, attended by students of lofty purpose and noble aims. This historic college so charmingly situated on the shores of Seneca Lake,-this college, venerable yet virile-can, I am sure look forward to a future of ever-increasing usefulness, developing in the main along the old lines, expanding and broadening but never spreading out thin, giving the general education rather than the special, the cultural rather than the professional.

The field of educational work is, indeed, immense; the opportunities are infinite. In these dark days when we seek to solve the problems that loom up so portentous, the readjustment of international relations, the reconstruction of the world, the reconciliation of the conflicting claims of capital and labor, the adaptation of old methods and institutions to new conditions, the realization of democracy's great mission, the preservation of the fundamental prin-

ciples of social and political welfare,—it is to the colleges and the universities that the people turn as to beacons of light. They are not only agencies of democracy, but examples of it, for they help men by teaching them how to help themselves. The world today looks to its college-men for the spirit of progress born of the knowledge that constantly seeks better things; for the spirit of conservatism born of the wisdom derived from the lessons of the past that warn against rash experiments and hasty expedients; and finally for the spirit of truth, the ceaseless striving for the real and the eternal.

Nothing is more needed today than that conscientious search for the truth and that fearless expression of it which characterize true academic freedom. Thorough as, in many respects, was the work done in the German universities, we now see that governmental control of them,-the repression of the truth and the warped statement of historical and philosophical doctrine under official pressure or inducement,—was one of the greatest evils from which that nation suffered and one of the most potent causes of the recent world catastrophe. That America's educational system may not fall into this danger but that she may ever have a great number of colleges free from all political domination is our earnest prayer. This search for the truth is, indeed, the purpose of all education; it is the goal of all human endeavor. If I were to give a motto to this college for its teachers and its students, it would be those fine words of one of the purest-minded patriots who ever came to this country: "Seek the truth without prejudice; speak the truth without fear." Were all the colleges to adopt this motto and all their sons and daughters to observe it, these institutions would become the most serviceable of all human agencies, solving the problems of these after-war days and so directing the minds of men that future wars would be avoided; and the future of humanity would be forever secure.

LIBERTY AND LAW.

An Address at the Annual Banquet of the School of Law of George Washington University, April 13, 1920, by

WENDELL PHILLIPS STAFFORD,

Justice of the Supreme Court of the District of Columbia, and Professor of Law in the George Washington University.

MR. TOASTMASTER:

I am going to speak to you for a little while this evening on a very large subject, "Liberty and Law." Really it is the only subject upon which a lawyer ever can speak, because the whole history of law consists in nothing more than a series of adjustments between liberty and law. It makes no difference whether you are speaking of law in the narrow sense or in the broad sense. It makes no difference whether you are speaking of law in the sense in which we lawyers use it or in the sense in which it is used by scientists, philosophers and theologians. The proposition holds good just the same. Let us see if it is not so. Suppose we begin with the mineral and vegetable worlds. Does any man question that here everything is governed and directed by law There is no such thing as liberty in these worlds. The will of the Father is supreme and unresisted. Law rules. In the purely animal world it is essentially the same. What we call instinct is only the manifestation of the Father's will. It is only the operation of law. The beast obeys, but he does it blindly and instinctively, not as a matter of choice. In these lower worlds we have no conflict between liberty and law because it is all law. Conflict there is, of course-chemical conflict, conflict in the vegetable world. plant crowding out plant, plant living upon plant; conflict in the animal world-fierce. unceasing conflict, species preying upon species-yet always in obedience to law, never in opposition to it. But when we come to man we find a new kind of conflict, a conflict with law-a conflict within himself. Of course he has also the same kind of conflict that the animals have, with things outside him. But he has a fiercer conflict still inside. Because he found out, at a certain stage of his existence, that he could disobey the Father if he chose. He could make a law for himself and could defy the law that was laid upon him from above. And he did it. Then began a conflict that has lasted ever since. We call him a free agent, and yet he is hedged about by certain laws which he must obey

if he would live at all. He must eat and drink or he will die. He must look out for the fire or he will be burned. He must look out for the water or he will be drowned. He is almost completely surrounded by barriers of law that he simply cannot pass over. Little by little he learns what these are and he obeys them because he sees that the price of disobedience is more than he can afford to pay. wages of sin is literally death. There are other laws that are no less real, and carry penalties no less deadly, but these he does not understand as yet. He has heard them with his ears but he has not taken them to heart, and he is ready to run the risk of disobeying these. The punishment comes in course of time but it may be so long in coming that the connection is not perceived. Yet even in these cases the wages of sin is death. There is no case in which a law of God is disobeyed in which there does not follow the death of something akin to life. Something that would have lived if the law had been kept has ceased to live or has never come to birth because the law has been broken.

How is it now in societies of men? Here another agency is at work. Individual wills are striving and clashing with one another and there is no such conflict among the beasts of the field as there is among the superior beasts called men. But when we look at the matter closely we see that there is nothing new or different even here. It is the same old conflict between liberty and law. Here it is the law of the universe in conflict with the dictates of individual selfishness. For what is it that men are doing when they try to live together peacefully and helpfully, and to build up states and nations to that end? They are merely imitating the operations of nature, obeying the Father's will by attempting to live in harmony with the laws of His universe. They are seeking to bring unity out of diversity, harmony out of discord. As Browning wrote:

"A people is but the attempt of many To rise to the completer life of one."

We see then a little of what Saint Paul meant when he said, "The powers that be are ordained of God." They were. The Roman State of Saint Paul's time was a marvel of human law, the admiration of the world to this day. And if you trace government back to the beginning you see even more clearly how inevitable and providential it all was. As men increased in numbers it became necessary that they should live more or less together, and only those societies

that followed certain lines of conduct could survive. rest went to the wall or died out. For one thing the tribe that had the best leader or showed the best team work would be likely to get the better of the others and supplant them. And so the race entered upon that long road of social progress of which the end has not been reached even yet. It learned by hard knocks that men could not get along together unless they were willing to submit to some sort of control. They had to give up some of their individual liberty in order to live at all. It was a case of a half loaf being better than no bread. If each member of the tribe stood out by himself he stood a good chance of being killed off by the neighboring tribe. But if the whole tribe stood together, and especially if it picked out a bright, brave man for leader, they might all have a chance to live. And the same thing held true when the tribe had grown into the nation. And it held true as among the members of the tribe. just as it did as between the tribe itself and other tribes. For one member or one family might take more than belonged to it unless the tribe hung together and laid down a few rules that no individual and no family could be allowed to break. So just as man the individual found that in order to live and prosper he must lay upon himself cortain rules of conduct, so man the social organism found that it must do the same. And every such rule represented a conquest of law over liberty. Yet it was in the interest of liberty after all. The liberty of the individual was sacrificed that the liberty of the tribe or the nation might be secured. It was an adjustment between liberty and law. If the law was a good law it was because it was made in the interest of the whole. If it was a bad law it was because it was made in the interest of a part-of a tyrant, or a family or a class.

Now where do we stand today in this course of development? In all the countries of the civilized world men see and acknowledge the necessity for law. In all the free countries they see and acknowledge that laws ought to be made in the interest of the whole. In all democratic countries they see and acknowledge that the laws ought to be made by the people themselves. We are in no danger now from any king or single despot of any sort. The danger in a democracy is that some faction or group may get control and make laws in its own interest, or interfere with the execution of the people's laws. This a minority can do if it happens to possess certain advantages over the majority. It may be more active or better organized or better led.

The people, the great majority, may be asleep or lazy or indifferent or uninformed or unorganized, or their representatives may be timid or even cowardly or at the best they may be unequal to their task. And so a mere minority may be allowed to flourish a club over the head of government itself. When things reach such a pass there is only one remedy left-a rousing call to the people themselves to take things into their own hands once more, to send all timid, time-serving, incompetent public servants home, and to call out the strong and fearless men, the upright and clear-headed men to take their place. Such men there are all through the land. They will come out if they are called, and when the crisis comes they will be called, they must be called, there is no other way. There is no royal road to safety. There is no chance or hope in a democracy unless we can trust the honest intelligence of the millions in a time like this. If we cannot build on that, we have nothing left to build on. Now it is right here that lawyers have a chance to be of some real use. They can analyze things. They can show the principles that are involved. They can point out the bounds of liberty and show where the duty of obedience has been broken. Every lawyer is bound, first of all, to think out such public questions for himself, earnestly, clearly and carefully, and then to give the public the benefit of his thinking. It cannot be expected that we shall all think alike, certainly not to start with, but we can never hope to think alike unless we all set about thinking, and think earnestly, clearly and carefully, and then tell our fellows what we think, and tell them with honesty and courage.

We have seen that in the lowest stages of existence law is supreme and unresisted; that in the world of human activity free will comes into play and there is perpetual conflict requiring adjustment after adjustment between liberty and law. But this is not the end. There is a third stage, and here once more the conflict ceases and law becomes supreme and unresisted. It is the stage in which the will bows freely to the law and performs it with a whole heart. In the individual that stage is reached when the heart accepts the will of God as revealed in Jesus Christ and desires nothing but to act in accordance with that will. As Tennyson sang with all reverence:

"Our wills are ours to make them Thine."

That is the service that is perfect freedom. That is the glorious liberty of the children of God. It is real obedience.

It is not the involuntary obedience of the plant. It is not the blind obedience of the beast. It is not the slavish obedience of fear. It is the glad obedience of love, eager and swift to do the Father's will. But you say we cannot look for such an attitude as that towards any human law. Yet there have been times when we have seen something like that—times when the patriotic heart of the nation has beat in perfect unison with its law, and men have not asked what they must do for their country but only what they could do for their country. The ideal state is the devotion to law that obeys without a thought of penalty or compulsion—obeys the law out of pure love for the country whose voice the law is.

This university, this school of law, has a great treasure and inspiration in the name it is permitted to bear, the name of the Father of his Country. Before I sit down let me ask you for one moment to think of him. He won our independence for us. He secured for us a Constitution, the foundation of all our laws. We can face the future with confidence and gladness if only we can live true to the lessons we have learned from him.

HEAL

George Washington University

Law School

CO-EDUCATIONAL

Member of the Association of American Law Schools. Maximum credit by other schools. Instruction by most approved methods by professional teachers and by lawyers in active practice.

SUMMER SESSION 1920

June 21—August 4

Students may begin the study of law during the Summer Session. Regular students already enrolled may continue their work for the degree supplementing or lightening the work of the regular term. Special students are also admitted, including students in other law schools.

Subjects for the Summer Session 1920

Equity, Domestic Relations, Mortgages, Municipal Corporations, Personal Property, Principles of Legal Liability, Quasi-Contracts and Sales.

Classes 7.50-8.40 a. m. and 5.10-6.50 p. m.

Students may pursue their work entirely in the late afternoon classes from 5.10 to 6.50, or partly in the afternoon and partly in the early morning classes.

For announcement and other information application should be made to the Secretary of the Law School, New Masonic Temple, Main 4540.

George Washington University Washington, D. C.



SUMMER SCHOOL

Six-week and nine-week courses Beginning June 21, 1920

SUBJECTS OF INSTRUCTION

Art Household Economics
Chemistry Law

Economics Library Science
Education Mathematics
English Philosophy
French Physics

Geography Political Science
Geology Psychology
German Sociology
History Spanish

The Summer School Bulletin, giving full information, will be sent upon request

ADDRESS COMMUNICATIONS TO

DIRECTOR SUMMER SCHOOL

2023 G STREET NORTHWEST

WASHINGTON, D. C.

For announcement of Summer Law School seeprevious page

The Regular Annual Courses of the University for the next academic year will begin on the last Wednesday of September—September 29th.

George Washington University Bulletin

MEDICAL NUMBER



October, 1920

PUBLISHED BY
THE UNIVERSITY AT WASHINGTON, D. C.
MONTHLY DURING THE UNIVERSITY YEAR, OCTOBER TO MAY,
INCLUSIVE, EIGHT TIMES A YEAR.



George Washington University Bulletin

MEDICAL NUMBER

This issue of the Bulletin contains the papers read before the George Washington University Medical Society during the school year 1919-20.

Volume XIX, Number 3

October, 1920

PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C., MONTHLY DURING THE UNIVERSITY YEAR, OCTOBER TO MAY, INCLUSIVE, EIGHT TIMES A YEAR.

OFFICERS

The membership of the Society is made up of medical alumni and members of the faculty of the Medical School. Meetings are held on the third Saturday of each month during school year.

THE OFFICERS FOR THE CURRENT YEAR ARE:

President—WM. J. MALLORY, A.M., M.D., F.A.C.P. Vice-President—Daniel LeRay Borden, A.M., M.D. Treasurer—Paul S. Putski, M.D. Secretary—Frank Adelbert Hornaday, S.B., M.D.

PRESIDENT'S COUNCIL

EDGAR P. COPELAND, M.D.
H. W. KEARNEY, M.D.
TRUMAN ABBE, A.B., M.D.
DANIEL W. PRENTISS, A.B., M.D., F.A.C.S.

THE COMMITTEE ON PUBLICATION

COURSEN B. CONKLIN, S.B., M.D., Chairman WILLIAM J. MALLORY, A.M., M.D. FRANK ADELBERT HORNADAY, S.B., M.D., Ex-officio

BURNS

THE PHYSIOLOGIC PRINCIPLE IN THE TREATMENT OF DISEASE.

Presidential Address,
Delivered before the George Washington University Medical
Society, May 15, 1920.

WILLIAM J. MALLORY, A.M., M.D., F.A.C.P.,

Associate in Medicine.

All rational action is based upon a knowledge of the quality and properties of the object acted upon. So, the rational practice of medicine is based upon a scientific knowledge of structure and function, as well as the alterations that occur in these as a result of morbid changes. Therapeutics being an art applied to the prevention, cure, or alleviation of disease, the ideal goal to be aimed at is prophylaxis or, where this is not available,

a specific treatment—removal of the exciting cause.

There are, however, a variety of morbid conditions which, as yet, are unpreventable, and in many instances, the result of causes which cannot be removed. For example, general impairments of health and individual deficiencies due to congenital conditions or disease long past. This is true especially of the so-called functional disturbances. These comprise, according to all authorities, the largest group of cases the physician is called upon to treat. Just as in organic disease a knowledge of structure, normal and abnormal, is essential, so to an even greater extent, in the functional disturbances is a knowledge of normal and abnormal physiology necessary. In other words, in order to produce a given effect the ideal method would be to influence the abnormal physiology by means of the mechanism which the body ordinarily uses to adapt itself to varying conditions of life. This I would call the physiologic principle in the treatment of disease.

This principle has long been recognized and applied in dealing with diseases of the circulatory system, and recently in the management and training of those suffering from nervous and mental diseases. I do not believe that it has received due con-

SERVICE STREET

sideration in the treatment of gastro-intestinal diseases, and I therefore wish to point out its application to the treatment of motor disturbances of the gastro-intestinal tract. To this end I therefore wish to recall to you the normal physiology controlling this function.

The muscular system of the digestive tract is comparable to that of the heart, in that it is autonomous, that is, involuntary. Like the heart, it has three different nerve innervations: 1. The vagus or bulbar autonomic system. 2. The sympathetic system. These act in antagonism, in most cases, and normally hold each other in equilibrium. 3. In addition to these two sources of extrinsic innervation there is present an intrinsic nerve supply, consisting of the plexuses of Auerbach and Meissner, which is capable of acting adequately alone, even when all connection with the cerebro-spinal nervous system is severed.

The muscle tissue is also of three classes, each differing from the others in certain respects: 1. That forming the greater bulk, the circular and longitudinal muscle, developed from the mesenchyme and receiving innervation from both vagus and sympathetic nerves. 2. The sphincter muscle, found at the pylorus, ileocceal region, and anus, and which is peculiar in its embryonic origin and physiology. In early embryonic development, as the intestine grows from above down, it passes an accumulation of nonstriated fibers which eventually go to the skin and sub-dermal tissues. Part of this dermal muscular mass is picked up by the intestine and carried down with it, later to be found at the sphincters, the pyloris, the ileocecal region, and the internal anus. This sphincter muscle is largely independent; the vagus is said to have no influence on it, while irritation of the sympathetic nerve causes its contraction. 3. The neuro-muscular tissue, described by Keith, is found especially at the cardiac end of the stomach, pylorus, and ileocecal region. It is in close association with the plexus of Auerbach. This plexus or nerve net is considered by some as modified muscular tissue, developed from the mesenchyme and not derived from either the sympathetic or pneumogastric. It is analogous, if not similar to the nerve net of the heart, which is connected with and activated by the sinu oricular node and the bundle of His, which we know stimulate the heart action through the Purkinje fibers. This myenteric net being partly nerve tissue and partly neuro-muscular tissue, and being indirectly connected with the nervous system, is completely autonomous. It is controlled to a certain extent and kept within bounds of action by the vagus on the one hand and by the sympathetic on the other, but most of the motor work of the intestine is performed under the control of this net.

Reduced to its simplest factors, the motor system of the digestive tract consists of a muscular tube with its own intrinsic, autonomous nervous system. Food, once introduced by the voluntary muscular action, is thereafter moved automatically until digestion and absorption are complete and the refuse ejected. This will occur even when all connection with the cerebro-spinal system is severed. This autonomic motor activity is modified normally and sometimes abnormally by extrinsic influences, coming through the vagus or sympathetic. Motor influences, especially for increasing tone and accelerating peristalsis, pass through the vagus nerve. These impulses are increased by exhilarating mental excitement and impaired by physical and mental exhaustion. Inhibitory influences reducing tone and retarding peristalsis pass principally, if not wholly, through the sympathetic nerve. These impulses are increased by mental depression and by the internal secretion of the adrenals. In any case of motor disturbance of the digestive tract it is important to determine whether there is a predominant action of the vagus of the sympathetic, or, briefly, whether the individual is of the vago-tonic or sympathicotonic type. In this, as in any other syndrome, one does not always find a complete type, that is, one presenting all the symptoms and signs at one time; still, it is well to know all the symptoms and signs of each type.

The vago-tonic type will present some, though rarely all of the following features: Palpitation; precardial pain, with slight tachycardia; burning pains in the stomach; diarrohea with sweating attacks, in spite of being chilly and having cold feet; there is increased lachrymation; frequent nausea; the palpebral fissure is enlarged; there is slight exophthalmos; a clear von Graeffe's sign, without the sign of Mobius; low arterial tension; the over contracted pupils are not dilated by adrenalin, but they contract with expiration (that is, Samogyis' sign; on the administration of adrenalin alimentary glycosuria is produced; pilocarpine produces secretory crises; eosinophilia may be present; the dyspeptic symptoms are marvelously benefited by atropine. This last is especially true with regard to constipation.

With the sympathico-tonic type there is tachycardia, with few subjective symptoms; exophthalmos with no von Graeffes sign, but with a clear sign of Mobius; large pupils, and scanty lachrymal secretion; no sweats or diarroheas; pupil dilates with adrenalin; does not react to pilocarpine; and stands atro-

pine badly.

A further test for the recognition of these conditions is the oculocardiac reflex, discovered by Aschner. The test is as follows: In the normal state, and in a recumbent position, pressure on the eyeballs with the pulp of the fingers softly for thirty seconds without pain determines after a lapse of a few seconds a slowing of the pulse, lowering of the arterial tension, slowing of the respiration, and sometimes a feeling of nausea. The reflex is positive when the slowing of the pulse rate is in excess of 12 beats per minute; it is normal when the slowing is at least 4, and less than 12 beats per minute; it is negative when there is no reaction, or one of less than 4 beats per minute; it is inverted when, without excitement or pain, the slowing of the pulse is replaced by acceleration. When the reflex is positive, one speaks of vago-tonia; when it is negative or inverted, of sympathico-tonia.

This physiological mechanism may be influenced by various

endogenous and exogenous substances.

Exogenous substances which are of vago-trophic nature, that is, substances which affect the activity of the mesencephalic bulbar and sacral divisions of the autonomic system, include: 1. Poisons which paralyze the autonomic nerve endings. Atropin paralyzes the accelerator nerve, producing myd-

riasis and inhibition of sweating; nitrites paralyze the inhibitory nerves. 2. Poisons which stimulate the autonomic nerve endings (vagospastics). These are: Muscarin, pilocarpin, picrotoxin, and physostygmine. The last mentioned is distinguished from the others by the fact that its action is less a stimulating one and more a raising of the threshold of sensibility of the nerves. The physiological effect of these substances is decrease in blood pressure, weakening of cardiac action, slowing of the heart, narrowing of the pupil, increased glandular secretion, and spastic peristalsis in the gastro-intestinal tract. It is a noteworthy fact that it is only exceptionally that a substance has a universal action upon the autonomic system. Most of them have a selective action. Atropin has a powerful influence upon the cranial branches and little upon the sacral branches, while the nitrates influence the latter, in the main, but not the former. Pilocarpin has a strong selective action upon the secretory fibers.

Among the exogenous substances which are of sympathicotropic nature and which may change the irritability of the sympathetic system, may be mentioned: 1. Poisons which paralyze the sympathetic system. Ergotoxin has a strong selective action, paralyzing the accelerator nerve endings. 2. Poisons which stimulate the sympathetic system. Ephedrin stimulates the peripheral nerve endings of the sympathetic system, particularly the smooth muscle of the eyeball, the dilator muscle of the eyes, and of the orbit. Tetrahydronaphthylamin stimulates simultaneously the central and peripheral parts of the sympathetic.

Of great importance are the effects of endogenous or endocrinous substances, which may be likewise divided into vagotonics and sympathico-tonics. Among the vago-tonic substances which stimulate the autonomic system must be mentioned cholin (oxethyltrimethylammonium hydroxide) which may be obtained in abundance from the cortex of the adrenals, and whose stimulating action upon the peripheral accelerator nerve endings of the autonomics is very similar to that of pilocarpin. It acts upon the vascular system and the pupil in antagonistic fashion to the other product of the adrenals, adrelanin. Among the sympathico-tonic substances may be mentioned: Iodothyrine, hypophysin, and adrenalin. The first two stimulate parts of, and the last the entire sympathetic system. Iodothyrine or iodothyreoglobulin, in full dosage, will cause tachycardia, widening of the lid slits, exophythalmis, emaciation, sweating, and increased sensitiveness of the eye to adrenalin. Its action is selective, in that it excites, or makes more excitable, only the cervical and thoracic syspathetics.

Hypophysin, pituitrin, or pituglandol, the active principle of the imfundibulum hypophysi, stimulates the lumbar sympathetics, especially the nerves to the bladder and uterus, and contraction of the intestines, when given in large doses.

Adrenalin acts even though the connection nerves from the central nervous system be divided. It stimulates the entire sympathetic. It produces in its accelerator nerves acceleration or increase in the functional activity of the organs which they supply, while in its inhibitory nerve it produces inhibition or decrease of function. In the gastro-intestinal tract it produces depression and an anaemic state, and increase of sphincter tonus.

Vagotonia occurs chiefly in youthful or middle-aged individuals, who are particularly subject to autonomic traumata, and who show either permanently or transiently one of the following manifestations: A positive reaction to the oculocardiac reflex of Achsner. A subcutaneous injection of one centigram (or one-seventh of a grain) of pilocarpin will reveal the existence of vagotonic symptoms which may give rise to no complaint on the part of the patient; or may change serious latent disturbances into manifestly acute conditions, such as tabetic crises, bronchial asthma, bradycardia, or anginapectoris, vasomotorious.

Atropin and adrenalin affect the symptoms and signs of overactivity of the autonomic nervous system favorably. Other symptoms of vagus irritability or vagatonia are hypersecretion and increased motor activity. They present themselves in various ways, such as intermittent gastrosuccorrhea and hypersecretion with or without hyperacidity. These are sometimes associated with sphincter spasm, pylorospasm, and

9

subsequent antiperistalsis. The beneficial effect of atropin is thus of marked benefit in differentiating between pylorospasm and pyloricstenosis in the absence of other signs of motor insufficiency.

PHYSIOLOGIC PRINCIPLE IN TREATMENT

The diarrhea in vagotonia, in Graves' and Addison's diseases, have been claimed to be due to hyper-irritability of the vagus supply to the intestine, that is, to an increase of peristalis and an increased serous transudation into its lumen. The beneficial effect of atropin subcutaneously and adrenal enemata seems to confirm this. The secretory neuroses have recently been included in the same group, entiritis membranacea or mucous colitis and eosinophilic rectal catarrh.

Closely related to cardiaspasm and pylorospasm are spastic constipation and spasm of erectal sphincter, both little understood conditions as far as pathogenesis is concerned.

In severe vagotonia there occasionally occur conditions of intense spasm in the smooth muscle of the gall bladder, gall duct, ureta, and bladder. Spasm of the gall bladder is said to cause spasm of the gall duct, and thus, by transitory shutting off of the gall passages, causes nervous spasmodic jaundice, acholic stools, jaundice, and bradycardia. In the sphere of blood chemistry there is eosinophilia; in the sphere of metabolism, high sugar tolerance and the absence of adrenalin glycosuria.

Omitting from the present discussion purely mechanical disturbances, which require reconstructive surgical treatment for their relief, it seems that there are adequate physiological, experimental, and pharmaceutical grounds for regarding motor disturbances of the digestive tract as being brought about through interference with the above normal mechanism, and that an analysis of a given case should reveal which part is at fault and indicate a treatment based upon an intelligent utilization of this mechanism for restoring conditions to normal.

REFERENCES:

^{1.} The Internal Secretions and the Nervous System, Dr. M. Laignel-Lovastine. Nervous and Mental Disease Monograph, Series No. 30.

2. Vegetative Nervous and Mental Disease Monograph, Series No. 30.

^{2.} Vegetative Neurology, Dr. Heinrich Higier. Nervous and Mental Disease Monograph, Series No. 27.

3. The Myenteric Nerve Net—A Discussion, G. K. Dickinson, M.D., Jour. Amer. Medical Asso., Vol. 74, No. 7, February 14, 1920, p. 442.

HEMOLYTIC STREPTOCOCCI IN TONSILS.

BY TOMAS CAJIGAS, B.S., M.D.

Associate Professor in Bacteriology and Pathology George Washington University

The micro-organisms which may be found in connection with the tonsils are most numerous and varied, inasmuch as any of the members of the bacterial flora of the mouth may be encountered in the crypts or on the surface of the tonsil.

However, the great majority of these organisms are unimportant, either on account of their infrequency; or of their slight pathogenic significance; or from their slight tendency to infect the tonsil and be disseminated to other tissues of the body from that organ as a focus of infection.

Undoubtedly, the streptococcus holds the most important place in the mycology of the tonsil. The severe inflammatory processes to which it may give rise, the readiness with which it may extend to other tissues causing the well known complications of otitis media, mastoiditis with subsequent meningitis, sinusitis, broncho-pneumonia, empyema, etc., the infection of distant tissues including the joints and cardiac serous membranes, and the more generalized septicemic conditions, have given great stimulus to the study of this organism which has resulted in the accumulation of an enormous amount of literature from all sources.

The presence of Streptococci in normal throats was first noticed in 1887 when Black isolated them from three out of ten cases examined. Three years later, Podbielsky2 reported finding streptococci in only one out of 50 normal throats examined, or 2 per cent, while Hilbert³ in 1899 found their presence in all of 100 cases examined, which findings agree exactly with those of Widal and Bezançon⁴ (1894) although the streptococci isolated by the last two authors were found to be non-pathogenic.

Black: Independent Practitioner, Vol. 8, p. 462, 1887.

Podbielsky: Dissertation, Kasan, 1890; Abstr. Centralbl. f. Bakt., 1891, vol. 9, p. 617

Hilbert: Ztschr. f. Hyg. u. Infectionskr. 1899, Vol. 31, p. 381. Widal and Bezançou: Revue Trim. Suisse d'Odont., 1894; Abs., centrabl. f. Bakt., 1894, Vol. 26, p. 1060.

That the hemolytic strains of streptococci are the most important from the standpoint of virulence and pathogenicity, has been observed both clinically and bacteriologically. Unfortunately, therefore, those works on streptococci in tonsils prior to 1903 are rendered of but little importance on account of the fact that the recognition of hemolytic streptococci from the non-hemolyzing strains was impossible, inasmuch as the blood agar plate, now and since universally employed for such distinction, was then unknown.

By the blood agar plate method it has been amply demonstrated that hemolytic streptococci may be present in normal throats: thus Ruediger⁵ (in 1906) reported them in 59 per cent of his cases; Dwyer and Gignoux6 (in 1910) in 4.2 per cent.; Pilot and Davis (1919) in 58 per cent; Smillie (1917) in 50 per cent; Nichols and Bryano (1919) in 28 per cent; and Cummings Spruit and Lynch¹⁰ (1918) in 6 per cent of cases.

Blake¹¹ (1919) observed that although the percentage of hemolytic streptociccus carriers in the absence of epidemics was

less than ten, during epidemics it ran up to 40 per cent.

That the tonsils are responsible for the high percentage of individuals carrying hemolytic streptococci in their throats is readily seen from the invariably smaller proportion of carriers, after tonsillectomy. For instance, in Tongs12 series before tonsilectomy the proportion was 57 per cent, as compared to 5 per cent among those who had their tonsils removed.

In individuals whose throats show inflammatory symptoms, hemolytic streptococci are more uniformly met with. Thus, Nichols and Bryan¹³ recovered hemolytic streptococci from the crypts of 75 per cent of 100 pairs of extirpated tonsils examined. Similarly, Pilot and Davis' demonstrated their presence in 97

Ruediger: J. Infect. Dis. 3: 755, 1906.

Dwyer and Gignoux: Laryngscope, vol. 20, p. 1042, 1910.
Pilot and Davis: J. Inf. Dis. 24: p. 386, 1919.

Smillie: J. Inf. Dis. vol. 20; p. 45, 1917.

Nichols and Bryan: J. A. M. A. vol. 71, p. 1813, 1918.

Ocumming, Spruit and Lynch: J. A. M. A. vol. 70, p. 1066, 1918.

Blacke: Ann. Otolog. Rhinol. and Laryng. vol. 28, p. 81, 1919.

Tongs: J. A. M. A. vol. 73, p. 1050, 1919.

B Smith and Brown: J. Med. Rch. 26 p. 467, 1914-15.

SERESES.

per cent of cases, and Tongs¹² in 83 per cent. In contrast to these figures may be given the results of the last two authors, using swab cultures from the same series of cases, their number of positive cultures being 61 per cent and 60 per cent, respectively.

I wish to report my findings in a series of 200 patients examined. Most of these patients showed enlarged tonsils, the rest of them exhibited low grades of inflammation. No acute cases are included in this series.

In every case cultures were made of material obtained directly from the tonsilar crypts. The surface of the tonsil was first sprayed with a mild alkaline antiseptic solution; then a straight platinum wire previously sterilized in the flame was very carefully inserted into the tonsilar crypts and the material thus obtained was cultured from each tonsil separately. Cultures were made on human placenta infusion agar 1/2 per cent acid. Plates were also made from the same material after adding five drops of fresh sterile human blood to tubes containing five c.c. each of the above melted agar cooled down to 45° C. In any case where the primary set of plates was unsatisfactory on account of an insufficient number of colonies, as occasionally happened when much material was not obtainable from the crypts, extra sets of blood plates were made from the twenty-four hours growth obtained in the culture tubes. All cultures were incubated aerobically at 37.5° C. and were examined at the end of 24 hours and 48 hours. In the study of the plates particular attention was given to the hemolytic colonies characteristic of streptococcus. Direct smears were always made from these colonies and subcultures made in any case of doubt. Only those colonies surrounded by sharply defined, clear, transparent, completely hemolyzed, colorless zones, showing chained cocci were classified as being hemolytic streptococci. All of these colonies corresponded to the Beta (B) type of Smith and Brown. 13

The following table shows the results obtained: HEMOLYTIC STREPTOCOCCI IN TONSILS.

,	Number	Per cent
Pure Culture. Streptococcus predominating. Moderate number. Few. Absent.	20 47	9½ 42 10 23½ 15

The above table shows the hemolytic streptocoecus present in 170 out of 200 cases or in the tonsils of 85 per cent of patients examined.

Attention may be called to the fact that the information obtained by simply reporting the streptococcus as "present" is very slight. It is of the utmost importance to distinguish between the hemolytic and non-hemolyzing, as well as to state the relative number of colonies of streptococcus hemolyticus obtained, so that it may be easily understood whether the streptococcus is in pure culture, in predominating number, in moderate number or if simply an occasional organism is present.

Of course it appears evident that the fact whether a pure culture or an occasional colony only is obtained depends on the method and technique followed in taking the material from the tonsil. A swab culture is almost worthless in many instances in determining the actual condition of the tonsil, inasmuch as it is possible to get such a culture absolutely free from hemolytic streptococci, even when the tonsilar crypts may be just loaded with this micro-organism.

I wish to take this opportunity to thank Dr. W. B. Mason for his assistance in furnishing the cultures which made this work possible.

CONSTITUTIONAL DISEASES IN THEIR ETIOLOGICAL RELATIONSHIP TO INFECTIOUS FOCI OF TEETH FROM THE VIEWPOINT OF THE MEDICAL ROENT-GENOLOGIST.

By Charles A. Pfender, M.D.

Roentgenologist, Georgetown University Hospital; Sibley Memorial Hospital; Tuberculosis Hospital; Washington Asylum Hospital; Instructor in Roentgenology, Georgetown Medical School, etc., Washington, D. C.

Biblical reference to teeth may be found from Genesis to Revelation, but few, if any, refer to sanitation. The general impression obtained by a study of Holy Writ is that teeth in olden times were strong and powerful, subject to terrific gnashings and able to withstand it.

About 787 B. C. Amos 4:6 states: "And I also have given you cleanness of teeth," leading one at first glance to believe that we have here the first indication of the subsequent employment of the many dentifrices now so generally used, but alas, more careful study indicates that "cleanness of teeth" merely refers to lack of food material for the quite proper exercise of mastication. Later Matthew 27:44 says: "The thieves also which were crucified with Him cast the same in his teeth," an allegorical expression which one might interpret to indicate that the human denture in those times was not the imperfect oral armature it is today.

Insofar as I could determine the first evidences of abuse of teeth are comparatively recent and apply both to savage tribes and so-called civilized peoples. Early American history shows that extraction, filing and decoration of teeth was not unknown. Van Rippen writes in this connection:

"The occurrence of filed and decorated teeth is rare, very few specimens having been found, but that is not a proof that the custom was not more common in oldentimes. Consideration must be given to the fact that few of the skulls retain their teeth; the majority of them being lost during excavation or having disappeared during the long time of burial. The writer examined a few hundred Peruvian skulls and to his astonishment found about 5 per cent

of them having a few incisors; not one skull had a complete set, the remaining were all edentulous. This shows that if a skull is found having mutilated teeth, it may prove that the custom was more common than sometimes is supposed.

The Mayas had the earliest homogeneous and the highest state of culture of any of the American peoples. They preceded not only the Aztecs, Mixtec, Zapatecs, Yucatecs and the Tarascans, but also the Incas of Peru."

Van Rippen's observations also led him to conclude that "The general consensus of opinion seems to be, among those who are qualified to speak on the subject, that dental practices as such were not in vogue among the North American Indians, either at the present or at any time in the past."

Hrdlicka says: "The Indian crania from all periods and all parts of the continent show that 'extraction' or knocking out of

teeth was relatively uncommon."

Van Rippen further states that:

"The Australian natives are of a very low standard in human culture. Their two outstanding interests in life are their stomachs and ceremonial exercises—the latter being extensively practiced. . . . There seems to be no record of any teeth mutilations in Samoa. The natives of the Tonga Islands extract or knock out some of their teeth, but only as a sign of the married state. Skulls from the Marquesa Islands show also two or three missing incisors."

Francis Galton, traveling in Western Africa and describing his experiences, says:

"I had occasion to inquire for a professional gentleman, a dentist, as one of my teeth had ached so horribly that I could hardly endure it. He was employed at a distance; but I subsequently witnessed at a distance, the operation. He brought a piece of the back sinew of a sheep, which forms a kind of catgut, and tied this around the unhappy tooth; the spare ends of the catgut were wound round a stout piece of stick, and this he rolled up tight to the tooth and then pressed with all his force against the jaw till something gave way. I saw the wretched patient sitting for the rest of the day with his head between his knees and his hands against the temples."

Van Rippen goes on to say that:

"The negroes in these parts, who were members of the Makatese tribe, related to the Zulus, when troubled with toothache, were brought to the 'expert,' who, after looking about for the offending element, tied to it a thin but very strong sinew, which was in turn tied to a spoke of an oxwagon wheel. A piece of iron was then heated to a white heat and suddenly thrust close to the face of the subject, who, afraid of being burned, forgot all about his tooth, and, thinking only of the danger in front of him, pulled away, after which he realized that he had extracted his own tooth. There was, of course, a danger of breaking the sinew, but especially strong ones were selected in order to avoid this. This method seems to be the most scientific one, judged from the physiological viewpoint, the lesser stimulus being inhibited by the greater, which is a good example of reciprocal innervation."

The origination of the custom of the knocking out of teeth is still unknown, but Van Rippen believes that the custom originated in Indonesia or on the Asiatic mainland. In Africa twenty-one tribes practice these customs, not associated with other tooth mutilations. "The fact that tooth knocking-out customs are reported on the Pacific Coast of Mexico and South America but not on the Atlantic Coast may also support the theory of an Asiatic or Indonesian origin."

In more civilized communities the care of teeth is almost proverbial now, although the application of this knowledge varies in degree in strict ratio to the intelligence of those engaged or appointed to preserve the general health of individuals and the

community at large.

It is hardly necessary in this day and time to say that modern dentistry has received an impetus for excellence within the past ten years which has resulted in most marvelous achievements. The conservation of teeth, the numerous efficient methods lately developed and the skillful dexterity of dental surgeons is demonstrated on every hand, emphasizing the increased study of etiological factors and their relation to pathological dental conditions.

Coincident with the routine employment of the Roentgen ray in the study of the pathology of oral conditions, renewed interest has been given to greater accuracy. Formerly unrecognized changes are clarified through the medium of X-rays. We know now that the roentgenogram is the most reliable aid in the diagnosis of an infected tooth and a correct interpretation shows whether it menaces the health of the patient.

Darling quite aptly states that:

"Until the advent of the reontgenographic diagnosis, which came like a day of judgment upon the incompetent and incapable, a principle of dentistry was the preservation of the tooth at any cost. When modern medicine reached the conclusion that septic conditions exerted a greater influence on the health than had been previously thought possible, and supported this conclusion with bacteriologic and roentgenographic examination, dental practice had to be revised. Dental practice is still being revised, for the facts were too strong to be controverted."

The importance of the skillful employment of the roentgen ray in the hands of the dental and medical roentgenologist is well recognized. Darling says: "After all is said the clinical findings are inconclusive. Only the roentgenogram will define the condition about a tooth so that extraction or non-extraction may be prescribed rationally."

Grieves states:

"Good roentgenograms are rarely misleading and it is the writer's experience that post-operative results are always more pronounced than the X-ray would indicate. Just as soon as it can be radiographically demonstrated that diseased periapical regions exist as described, medication should stop and surgery begin."

In this connection Potter states that:

"A general survey of the denture by a series of dental films is an important adjunct to the examination of a pyorrhea case. It is often a short cut to a diagnosis and is less disagreeable than instrumental examination, but should supplement rather than displace other diagnostic methods. The most important diagnostic points are observable in the region of the intimate bony vestments of the roots and are obtainable only from the most critical roentgenograms."

In his conclusions in a most instructive article, Darling says: "The roentgenogram, when interpreted by the trained medical or dental roentgenologist, is one of the most dependable means of diagnosis of conditions that may indicate tooth extraction."

These and many other observations tend to show that the earlier practice of the conservation of teeth at any price has been somewhat modified as the result of radiographic diagnosis.

In the earlier days of roentgenological lore it was customary to x-ray only the aching tooth, and only then when repeated treatments had failed to relieve the suffering. Later it became more popular to x-ray all teeth under treatment in the effort to obtain as much information as possible of the pathology of the teeth and alveoli.

In recent years dental surgeons feel it incumbent to exercise careful supervision of the dentures of their patients and have inaugurated serial radiographic studies at regular intervals, thus establishing a concise and instructive knowledge of the progress of restoration of dental and periodontic conditions.

The crowning achievement of the past decade was the radiographic discovery of the possibility of serious focal infection of teeth in the absence of all local signs and symptoms and the indication of the relationship between oral foci and constitutional diseases. The acceptance of this semi-occult symptom-complex has again revolutionized the opinions of the dental and medical professions, particularly with regard to extraction, and we must now recognize the teeth as the seat of more infection than any other organic structure.

It is not within my province to enter into the detailed study of the various agents which have been held to be the etiological factors in the production of apical or periapical infections of teeth or periodontoclasia, more commonly known as pyorrhea, still I hesitate to abstain from mentioning at least two cardinal groups.

Infections of gums and teeth are occasioned by two types of organisms, namely, zoological or bacterial. Both may be demonstrated in the periapical tissue. In the treatment of the animal parisitic infection we are most fortunate in having prac-

tically a specific for the destruction of the ameba in emetin hydrochloride. Combining its use with surgical cleaning and other present day dental procedures a cure usually results. Sometimes a brilliant result is obtained even when associated bacterial infection is ignored entirely. Then again, careful attention to both bacterial and zoological infection is crowned by success, while on the other hand a certain percentage of cases fail to become culturally clean or sterile no matter how careful the treatment employed. In my limited study of the etiology of apical and periapical infection of human teeth, I have found it most difficult to escape the conclusion that amebic infection is not seriously considered by dentists as a rule.

No doubt the difficulties presented by the biological study of these animal organisms deter many from pursuing that line of investigation. Since 1849, Ehrenberg and others have pointed out the possible etiological relationship of ameba to oral disease. Numerous observers certainly have shown conclusively that ameba are present almost universally in or around diseases of the mouth, yet we still need the final proof that they produce a specific infection. The discovery of spirochaetes in trench pyorrhea is of interest and its present treatment variable. The English dentists prefer to pack the gingival tissues with copper

sulphate combined with mechanical measures.

Bacteriological studies of microorganisms found in various dental infections and their relation to the blood supply have been exceedingly illuminative. Henrici and Hartzell, Rosenow and others were enabled to demonstrate from apical abscesses and pulps of teeth the almost constantly present Streptococcus viridans. In many instances other bacteria such as staphylococci, the bacillus fusiformis the colon bacillus and spirochaetes were found associated. Hartzell and Henrici found streptococci in 150 out of 162 cases of pyorrhea alveolaris.

Rosenow's experiments in animals revealed the striking tendency of the bacteria to localize in the tissues involved in transverse myelitis, multiple neuritis, chronic arthritis, gluteus myositis, lumbar neuritis, herpes zoster, trigeminal neuralgia, keratitis and iritis. It is of vital importance to hear from no less

an authority than Rosenow that "the harm from foci of infection must be considered as being due to the absorption of toxic bacterial products as well as to the entrance of the living bacteria into the circulation and their localization."

Henry A. Cotton in a most instructive report on mental diseases states that:

"The organism principally concerned in dental infection is a non-hemolytic streptococcus known as Streptococcus The term non-hemolytic streptococcus is applied to a large group, the members of which vary somewhat in their morphology but have the same cultural characteristics. They are differentiated from the hemolytic types or longchain streptococcus, the organism which is very virulent and rapid in its action, as we know from the results of blood poisoning. The non-hemolytic group are non-pus-producing, slow growing organisms which do not cause pain, swelling or even a rise in temperature, hence their presence is easily overlooked. They produce a chronic infection in contrast to the hemolytic or virulent types; and this infection may persist for years, without the patient or physician becoming aware of its presence, unless tests are made to determine its presence and measures taken to remove it. The non-hemolytic types may, after many years, become in a sense virulent in that they overwhelm the patient and cause death by toxemia. While they are non-pus-producing, and therefore their presence is masked, they are extremely toxic; and all of the important symptoms are due principally to this characteristic, especially where the nervous system is involved."

It is a well recognized fact that infected teeth alone may cause very serious systemic diseases and that the microorganisms may and do migrate to other organs and there produce secondary foci. The mere extraction of the infected teeth is therefore only one of the steps necessary for the restoration of the health of the patient. It becomes imperative to treat the secondary infection which has occurred and this emphasizes the necessity of closer cooperation between the dentist and the physician if the best interests of the patient are to be served. Cotton found that in 25 per cent of his cases the teeth alone seemed to be the source of the infection, and with the removal of this source, the patients

rapidly recovered from their mental disability. In 25 per cent both teeth and tonsils were infected, and in 50 per cent the gastro-intestinal tract was involved with either the teeth or tonsils or both, and improvement was not obtained until the nature of the infection was determined and proper means for its elimination inaugurated. In this connection Cotton aptly says:

"One might with reason ask: Why bring in gastrointestinal infection in discussing teeth, a purely dental problem?' The explanation lies in the fact that the infected teeth, or the bacteria concerned in this infection, have a direct and very important relation to the pernicious activity of the colon bacillus. This organism occurs normally in the lower intestinal tract. Outside of its normal habitat it is extremely toxic; it loses its benign character and becomes pathological. Consequently while apparently we can see no relation between infected teeth and intestinal infections of a chronic type, clinically there is a very close relation. It is well for the dental profession to recognize all the consequences and results of chronic root infection and to end, once and for all, this far-reaching and dangerous type. I feel that I do not overstate the facts when I say that insanity can be prevented or cured by a conscientious practice of the principles discussed in this paper; and that, in the same way, many other diseases which, in most cases have a fatal termination, can also be prevented or cured if the process has not gone too far."

Cotton extracts all capped and pivot teeth, removes all fixed bridge work and insists on extraction of every suspicious tooth for he believes that his experience in the study and treatment of mentally diseased fully justifies such a radical course in the light of his marvelous achievements.

Rosenow states that:

"The effort to save the teeth is commendable and one worthy of trial, provided that the pulpless teeth be extracted in the event that the complement-fixation test for Streptococcus viridans remains positive, that the patient continues to have anemia, after all these root canals have been 'sterilized' and refilled, and it has been proved that the x-ray films for all are negative. It is of course assumed that foci outside of the dental area and other causes have

been eliminated Regarding the question of what to do with pulpless teeth, in the light of the experiments and the clinical facts as now known, it is safer to err on the side of extraction; for it is a common observation that individuals of advanced age, who have worn artificial teeth for a number of years, are in better health as a rule than individuals of corresponding age who have retained defective natural teeth. A case in point is the following: A woman of middle age with badly infected teeth, infected tonsils and typical symptoms of exophthalmic goiter, gained 20 pounds in weight, and the infection of the tonsils and the symptoms of exophthalmic goiter disappeared during the two months intervening when she was "gumming" her food, and she has remained perfectly well for the past five years."

Nodine goes on record as stating that:

"Those who have employed x-rays as a routine found 95 per cent of the teeth whose pulps have been devitalized and the attempt made to fill the canals have incomplete or no root canal fillings; 75 to 80 per cent of these teeth have apical abscesses or apical infections radiographically discernible. Of the 5 per cent of those teeth whose root canal fillings do reach the apex, a large percentage will yield bacterial culture."

M. H. Garvin a well known dentist of Winnipeg, Canada, reports the following experience:

Patients 1,130	Teeth X-rayed 3,500	Found infected 1,635 (47.7%)	Not infected 357	At least one in- fected tooth 773
Filled Teeth To apex. Three-quarters. One-half. One-quarter.		Number 448 663 108 137		Infected 39% 42% 56% 67%

I have tabulated some of the findings by Arthur D. Black, M.D., D.D.S., of Chicago, Illinois, and we note:

T.

Age.	Abscessed Teeth.	No. of Abscesses per person.
20-24	52%	2.6
25-29 30-39	51% 63%	2.2
40-49 50 or more	59% 50%	2.6
Year. 1917 1918	Persons. 300 300	Alveolar Abscesses 59% 41%

The improvement is probably due to a better realization of the danger of these infections to health, with the result that a large number of infected teeth have been extracted.

II

Roentgenograms About 16,950	Root Filling 1695	Per Cent.	
Large Canals Large Canals Small Canals Small Canals Small Canals Small Canals		Abscessed. 31 356 19 271	Per Cent. 9 63 10 64

He concludes that we still have ample opportunity for better dental filling so as to reduce the percentage to about one-fifth of the present number.

Duke and Diveley state that:

"In its relationship to oral sepsis one can say, we believe, both that chronic infections of widely varying types may have a deleterious influence on oral sepsis and render it difficult to cure and prone to recur, and also that oral sepsis may increase the severity of other chronic infections localized in other organs, whether due to the same or to totally

different organisms Resistance to infection may be lowered by a large variety of diseases and conditions. For example, by chronic alcoholism, drug habits, diabetes, nephritis, circulatory diseases, anemia, and other blood diseases, diseases of the ductless glands, lead poisoning, scurvy, the therapeutic use of mercury and potassium iodid, pregnancy, lactation, senility, overwork, lack of proper nourishment, debilitated conditions of any sort due to disease, faulty methods of living, etc. In patients having the above diseases, oral and other forms of sepsis are a greater menace to health than is the case with normal individuals, and are also more difficult to cure."

Anderson expresses the opinion that:

"Cases of oral sepsis present many interesting and instructive features. Various clinical and pathological interrelationships have been recognized for years, as tonsilitis and nephritis, tonsilitis and rheumatism; tonsilitis and appendicitis; tonsilitis and endocarditis; erythema multiforme, and chorea; appendicitis and cholecystitis, gastric and duodenal ulcer; exophthalmic goiter, and diseases of the other glands of internal secretion, scleroderma, arthritis, etc., Raynaud's disease, arthritis deformans, scleroderma, purpura and urticaria; oral infection, tonsilitis, nephritis, and arterial hypertension in some instances. . . . Oral infections are usually of a low grade of virulence, sealed in, and extend over a long period. To study the evolution of such infections and to appreciate their various clinical manifestations they must be followed for a long time, the same as syphilis and tuberculosis. Private patients, therefore, offer a more favorable opportunity than hospital patients."

In the light of these recent observations one can with difficulty refrain from being impressed by the evidence furnished and we are not surprised to find that many so-called incurable constitutional diseases clear up after inaugurating treatment scientifically directed towards the removal of the primary etiological irritant, namely dental or periodontic disease, and the elimination of the secondary involvement superinduced thereby.

Draper says:

"There is abundant evidence to show that when the teeth, tonsils and stomach are infected, there is an extensive, variable and absolutely incomprehensible infection in the aboral portion of the entire alimentary canal."

Lewellyn F. Barker tells us that:

"The two chief causes of diseases of the digestive apparatus having their origin in oral sepsis, are chronic alveolar infections, occurring in the periapical tissues, and infections taking place at the gingival border, such as that proceeding from gingivitis, pyorrhea, impacted and partially erupted teeth, etc. The most common manifestation in the digestive apparatus are gastritis, gastro-enteritis, achylia gastrica, pylorospasm, and toxic hepatopathy. In some instances, it seems probable that gastric and duodenal ulcer are secondary to oral sepsis. Whether appendicitis and cholecystitis may occasionally be caused by oral sepsis, is still in doubt."

Dr. Billings of Chicago reports interesting results as noted in the tabulation which follows:

Roentgenograms.	Presbyterian Hosp.	Cook Co. Hosp.	Alveolar Abscess
150 Cases 329 Cases		329	44 /0
Arthritic group. Nephritic and Ca Gastro-intestinal	76% 47% 23%		

J. B. Schlund, a dental surgeon of Tacoma, Washington, shows:

	Roentgenograms.	
Teeth. 1500-2000	Good Root Fillings.	Of these 40—Abscesses in 12

K. R. Collins, M.D., Cleveland, Ohio, presents two very interesting tables:

Percentage of	the various localized	infections	occurring in	849 cases of
	Motostoti	o Arthritic	PR	

Localized Infections	Per Cent
Tonsils	 25.5
Teeth	 18
Urethra	 17
Cinuago	 17
Lungs and Bronchi.	 5
Bladder	 4
Kidney pelvis	 4
Appendix	 2
Gall Bladder	 2
Furningulosis	 0
Typhoid fever	 0
Scarlet fever	 0
Tetanus	 6
Dysentery	 0

TABLE II.

Charles Mayo states that about 85 per cent of children have infections of teeth, tonsils or adenoids, curable and preventable, that about one-fourth of the entire population has septic mouths at 25 years of age, at 45 nearly 90 per cent are septic and after 50 practically all mouths are septic. An interesting fact was revealed by the examinations of the higher officers in Washington for overseas service where it was found that those with good dentures were well, and that those with bad dentures were not well, and showed the effects of chronic infection. They were usually debarred from foreign service.

H. B. Anderson, M.D., Toronto, Canada, presents: CLASSIFICATION OF DISEASES ASSOCIATED WITH 257 CASES OF

URAL SEPSIS.					
	Occurring Alone	Associated with Other Diseases	Total		
Anemia. Gastric and duodenal ulcer, appendicitis, gall-stones, etc. Hypertension, albuminuria, kidney disease. Mucous colitis. Neuritis, lumbago, sciatica, etc. Psychasthenia, nervousness, etc. Raynaud's disease. Skin diseases. Tonsilitis. Goiter. Diabetes, miscellaneous.	22 27 2 27 28 1 18 4 5	35 25 36 3 47 45 4 13 31 22	48 47 63 5 74 73 5 31 35 27 69		
Total	147	251	477		

H. J. Kauffer has compiled valuable statistics from the Department of Dermatology and Syphilology, Vanderbilt Clinic, New York City:

Cases. 1100	Edentulous.	No Infe 276 (2	ction. 5%)	Pyorrhea or Apical Abscess 823 (75%)		
Studied 115 cases where dental work antedated cutaneous infection. Observation time three months. Treatment: Mouth hygiene; extraction; sockets curreted or operated upon; foci surgically removed.						
Streptococci	Smear Cultures. Streptococci					
Treated Ca	ses. Cl	eared Up.	Improved.		Total. 64 (56%)	
Of these 31 cleared up: Streptococci were found in 16 Staphylococci were found in 9. Gram neg. diplo. were found in 5.						

Smith and Ludwig, of Lincoln, Nebraska, submit instructive reports on teeth infection occurring in children:

107 cases apical abscesses, four secondary fistulas, eight gingival abscesses and one abscess in the roof of the mouth, in children ranging from four to eleven years of age.

Organism.	Times Found
Streptococcus hemolyticus	26
Strentococcus pyogenes	19
Streptococcus viridans	2
Staphylococcus pyogenes citreus	26
Staphyloccous pyogenes aureus	7
Staphylococcus pyogenes albus	. 1
Bacillus pyocyaneus	18
Diplococcus pneumoniae	4
Bacillus fusiformis	1
Diphtheroid bacillus	3
Sterile	8

A summary of all these tabulations cannot fail to impress us with the relationship of bacterial infection of teeth and constitutional diseases. It is certain that future study will reveal further unsuspected pathological conditions and lead to more successful treatment of many diseases to which human flesh is heir.

In the roentgenological study of the pathology of gingival and dental conditions I have found it convenient to classify my cases into three subdivisions, as follows:

1. Cases with immediate or acute dental pathology (such as acute abscesses with or without pressure on the inferior dental nerve and pathology involving ocular changes).

2. Slight or difficultly diagnostic lesions in teeth of subacute or chronic nature (chronic alveolar abscesses, periodontoclasia and malignant conditions about the face and head).

3. Pathology involving one or more teeth associated with marked constitutional toxic symptoms (such as advanced pyorrhea or periodontoclasia, multiple alveolar abscesses, etc). These may again be subdivided into:

a. Occult focal dental or periodontic pathology.

b. Demonstrable dental or periodontic pathology.
 c. Periodontic pathology, such as mandibular necrosis, unerupted or impacted molars, teeth in the antrum, cysts or tumors of the maxilla or mandible, etc.

In the study of cases with constitutional symptoms I found it expedient in order to save time and facilitate an early diagnostic report to arrange cases in the following groups:

Constitutional Symptoms:

- 1. Acute Symptoms; with suspected or occult oral involvement. (Hemicrania, etc.)
- 2. Chronic Symptoms.
 - a. With definite focal dental or periodontic pathology.
 - b. With unsuspected dental or periodontic pathology.

Vague general constitutional symptoms where no definite etiologic factors were discovered and where roentgenological examination revealed dental or periodontic pathology, and where treatment or extraction of teeth was followed by improvement or complete recovery either immediately or later. This class I have placed into three categories, as follows:

- 1. High blood pressure.
 - a. Early cases where cardiac and renal changes were not marked.
 - b. Late cases with marked cardiac and renal changes. c. Late cases without any cardiac and renal changes.
- 2. Asthenic Type; subnormal blood pressure. Cases where toxic absorption from diseased teeth or gingival pathology exercised a paralyzing effect on the vagus or splanchnic nervous system (usually found in young women).
 - a. Exophthalmic goiter.

b. Hyperthyroidism. c. Ocular disease

- d. Vague arthritic symptoms.
- e. Gastro-intestinal symptoms.
- 3. Chronic Arthritic Type; usually of long standing with no suspicion of dental or periodontic etiology.
 - a. Where osseous or calcific deposits have formed.
 - b. Where arthritic changes have not progressed to the degree mentioned in type a.

Localized lesions produced by oral infection, direct inflammatory changes or secondary irritation.

- 1. Malignant bony growths (sarcoma, carcinoma) of mandible or antrum.
- 2. Malignant growths of soft tissue origin, such as epithelioma of the lip.

It is difficult in the absence of any precedent to escape errors of both commission and omission, but as the work of years accumulated and broadened experience permitted pertinent deductions, I now feel convinced that careful attention to the details outlined in the above classification will be of practical value as a working basis of the roentgenologist in his study of oral and aboral pathology.

Abstract of paper read by Dr. C. H. Frazier before the George Washington University Medica Society, January 17, 1920.
"The Major Trigeminal Neuralgias and their Treatment, Including a Discussion of the Etiology and Clinical Manifestations of the Disease, the Methods and the Results of Treatment."

In his remarks upon the Major Trigeminal Neuralgias and their Treatment, Frazier called attention particularly to the prevailing misconception as to the results of the radical operation not only with regard to the mortality but as to cosmetics. The picture in the minds of the profession is drawn more from the conditions of the early days of the surgery of the Gasserian ganglion when the mortality was high and the scar and complications more or less disfiguring. In contrast to that period, Frazier summarized his own experience in the last 124 cases of his series, covering the period of his latest technic, in which there was but one death, a mortality rate of less than one per He compared this with the 22 per cent of the earlier days and Horsley's mortality of 5 per cent, in an intermediate period to illustrate how the risks of operation had been reduced. The cosmetic results are well nigh perfect as the scar is entirely concealed within the hair line. He called attention to his most recent innovation in technic, one which conserves the motor root and the function of the masseter, temporal and pterygoid muscles, the other which prevents the occurrence of trophic keratitis with those improvements in technic and the reduction of the mortality to less than one per cent, the operation may be said to have attained a stage of perfection.

He discussed at some length the differentiation between the major and minor forms of neuralgia and maintained that the major neuralgias were never of a peripheral origin. The theory of a peripheral lesion and ascending neuritis must be discarded once and for all. He warned surgeons of the necessity of excluding from their operable group those cases in which the symptoms were those of a neurosis. In these cases operation will be of no avail.

The relief of the major neuralgias is accomplished by only two methods, alcoholic injection and the conventional major procedure of Spiller. The vast majority of his patients have been subjected to needless years of suffering by attempts to relieve by other totally ineffective remedies. As a rule he leaves to his patient the choice of method as between alcoholic injection, with its average relief of nine to twelve months, and the radical operation with its permanent relief. The average patient in the earlier stage of the disease will elect the alcoholic injections and continue with these for an average period of four years when his morale has been broken by repeated disappointments and inevitable recurrences. The patient, who, when he consults the surgeon, has experienced the disappointments and failure of alcoholic injections, will choose without exception the radical operation.

Frazier dwelt at some length upon the technic of alcoholic injections and stressed the importance of practice and experience in its successful performance. While not a formal operation in the ordinary sense of the word, it requires quite as much preparation and familiarity with details as many an operation which the physician would not venture to perform without adequate preparation. He has eliminated the suffering incident thereto by the use of nitrous oxide anaesthesia. This is possible only when one is sufficiently familiar with technical details and the anatomical variations. The dread of an alcoholic injection on the part of the patient, who has had one or more without an anaesthetic is so great that the agony will be put off as long as the painful paroxysms can be tolerated and the patient will return only when the succession of attacks has exceeded his endurance. Hence the introduction of a general anaesthetic in alcoholic injections is a genuine and humane contribution to the technic.

Because of the high percentage of corneal complications, which he estimated conservatively at 25 per cent, Frazier believes injection of the ganglion itself should be reserved for the ceptional case when the radical operation was contraindicated. Under light ether anaesthesia, he recommends the injection of

the ganglion for the relief of suffering in inoperable malignant lesions in the trigeminal territory.

In his review of the end results of operation, the speaker discussed some of the peculiar paresthesias which are observed in a minority of cases, particularly from the standpoint of their etiology. He regarded them as of central origin, persisting during the process of degeneration of the sensory root. Until this

was complete the paresthesias might persist.

In his summary, he referred to his experiences with the major operation—section of the sensory root—as eminently gratifying to the surgeon and satisfactory to the patient; he stressed the necessity of differentiating the minor from the major neuralgias as essential to the selection of appropriate methods of treatment; he concluded with the statement that for the major form there are two and only two sources of relief, the transitory relief from alcoholic injections and the permanent relief from section of the sensory root.

HEMIANGIOMA OF THE SCALP.

(Carcinoma of an Aberrant Thyroid Gland.)

PAGET'S DISEASE OF THE BONES (Osteitis Deformans).

BY TRUMAN ABBE, A. B., M. D.,

Clinical Instructor in Surgery, George Washington University.

On July 8th, 1919, I was asked by Dr. Masterson to see Mrs. Z. The day before he had attempted in his office to remove what appeared to be a wen on the back of her scalp that after having been present quietly for a year or so had recently increased more rapidly in size. On cutting through the skin and into the mass there had started a hemorrhage so terrific that it could be controlled only by rapidly packing the cavity and putting on a tight bandage. He asked me to assist him at the first dressing. On removing the packing blood welled up in the wound so fast that we made no attempt to investigate the source of the bleeding but covered the wound with gauze and put on a compression bandage. The second dressing done at George Washington Dispensary two days later was much less bloody, and after that the wound healed smoothly.

A month later since the mass had regained its original size we gave it some X-Ray treatment hoping to control the growth and the vascularity of the mass. At that time there was a slight pulsation to be felt in the mass. Following the X-Ray treatment the hair fell out but the mass kept on growing, small blood vessels appeared in the skin around it and over it and the pulsation in the mass became very distinct. At the end of six weeks we had changed our diagnosis from a sebaceous cyst to an angioma. Then we changed our treatment and attempted under local anesthesia to coagulate the periphery of the growth and so cut off the blood supply through the large vessels then evident in the soft tissues. We circumscribed the growth with a ring of coagulation getting a closing of the evident subcutaneous vessels but the mass kept on growing and the large vessels reappeared.

The patient we present to you. Behind the right ear in the tempero-occipital region you see a mass the size and shape of

half an orange. The skin over it is normal except at the periphery where the scar of the coagulation is evident. In one or two spots the coagulated area has not yet completely epitheliated over but the skin is so healthy that there is no doubt that the skin will cover over that line in a week or so. You see the short downy hair growing up in the area denuded by the X-Rays, and under the skin you can see several large tortuous vessels. Pulsation in the mass is easily felt and in a good cross light you can even see the pulsation. It would seem as if the mass were composed of a group of enlarged blood vessels that are increasing in size. We have considered it a hemiangiona of the cavernous type.

As to further treatment we are very willing to accept suggestions. What we have done so far has merely temporarily decreased blood supply through the skin. As to operative procedures: the woman is eighty-five years of age, as you see a little bit of a frail woman with marked irregularity of heart action but no murmur. She has dyspnea on slight exertion. She has lost two children of tuberculosis and has suspicious signs over her lungs. Any operation would be attended with considerable loss of blood and would be very tedious, so that we doubt if it would add to the patient's life and health.

Postscript, July, 1920.—Without following any of the good advice as to active procedures offered by the Society Members we continued coagulation of the periphery of the mass. In January Mrs. Z. had one or two active hemorrhages from a portion of the coagulated area that had not healed and we brought her into George Washington Hospital. Those areas never completely epitheliated over and on several occassions there was considerable bleeding from the denuded area. Her strength became less and less without an evident cause therefor. She had no fever, no cachaxia. She did have some bronchial cough and at times marked loss of compensation for a few hours due to the myocarditis. On March sixth, she ate her breakfast as usual and a half hour later was found dead in bed. Evidently it was a cardiac death.

At autopsy Dr. Hunter found in the mass what looked more like brain tissue than a vascular structure. There was erosion of the skull bones but no penetration of the dura though the bony defect in the skull was an inch and a half in diameter. The lungs showed an old tuberculous process and the heart a myocarditis. The abdominal contents and the kidneys were practically normal for a woman of her age. The thyroid was apparently normal and so not examined.

The histological examination of the tumor was a great surprise. The tumor was a typical thyroid gland which had undergone carcinomatous degeneration. Our hemiangioma of the scalp had become a cancer of an aberrant thyroid located behind

the ear.

How do we get thyroid tissues in the back of the scalp? To explain it we have to consider the embryological development of the thyroid gland from the distal end of the thyroglossal duet which grows downwards and forwards from a portion of the foregut. And then we have to think of the ear as developed from a branchial cleft that once also was a part of the foregut very close to the region from which the thyroglossal duct sprouted. We consider the concha as coming from the wall of the first branchial cleft and the thyroglossal duct from the sinus arcuatus in the region of the second branchial cleft. If we could identify the structures still earlier in the development of the embryo we would find the branchial cleft and the sinus arcuatus still closer together. At that stage the cells that are to develop into the normally placed thyroid and those that are to develop into the tissues covering the skull below and behind the ear must have been very close together and if one or two of the potential thyroid cells were dragged along with that outbudding of the branchial cleft, it doesn't take such a great stretch of our imagination to see how in this instance they became transplanted back of the ear and there lay dormant until the loss of balance of the tissue growth that occurs with increasing years let those misplaced thyroid cells spring into dominance and control the life of the patient.

The second case I take the liberty to present as representing the dispensary is "Miss Clara Watson." Everyone who has gone to the dispensary in the past few years knows her as its most persistent patient. She began coming in March, '17, complaining then of pain in her left tibia. Her complaint today is the same. At times she has taken a fancy to some one of the physicians who happens to be treating her and sees fit to telephone him several times a week, "Doctor, my leg is paining me something awful. I can't stand it!" At that point I shut her off (I happen to have been her favorite a good deal of the time and none of the dispensary staff seem to be one whit jealous). When she telephones I shut her off by telling her to come to the dispensary on Saturday and I'll see her there. And she smiles and says, "Next Saturday? Alright," and hangs up rejoicing. She is just simple minded enough not to care how you treat her so long as you do treat her. Put a piece of adhesive plaster on the painful spot and it will be better for a week. Rub it with liniment and it gives great relief. Give her a cathartic and she gets rid of all her pains for several days. Give her a tonic and it does her worlds of good. But she keeps on complaining of that leg. At times we have shifted her idea of pains from that leg to the other, or to the shoulder, by suggestion, but the change in contour of that tibia is so evident that the pains keep coming back to that tangible abnormality. At times she has had troubles in other parts of her body; she had mastoid operations on both ears by different men to satisfy her complaints. We do not believe that the mental condition is dependent on the Paget's disease but rather an intercurrent condition.

The examination of the left leg shows a peculiar local anterior bowing of the upper portion of the tibia with a marked thickening of the bone. The patient's complaint of tenderness and pain we have to discount greatly. The other bones in the body on inspection and palpation do not show any marked abnormalities. The X-ray examination of the left tibia made in 1917 showed the marked tendency to cystlike formation with the lateral overgrowth of bone under the periosteum that is char-

SECONDALESSO.

acteristic of Paget's disease of the bones, the osteitis deformans that is one of the interesting curiosities.

In this case the most evident trouble is in the tibia which is one of the most common seats of the trouble, possibly because it is the most easily palpated of the larger long bones. The X-ray plates show similar tho less extensive involvement of the right humerus, the left humerus, and the right tibia in order of the degree of involvement. The femure and the forearm bones do not give characteristic pictures. The skull is thickened, and the chest expansion is limited to less than one inch. And yet the patient complains of only the one bone. We wonder if many of the cases reported as limited to one bone are not similar cases where the complaint and therefore the examination has been directed to only the one bone.

The duration of the disease is also of interest. The patient dates all her troubles to a bicycle accident when she was fifteen years of age (she is now fifty-two, and still menstruating), when she thinks that she broke her leg though she stayed in bed only two weeks and then walked without splint or crutches but noticed the bowing of the tibia. The leg apparently did not begin to pain her until some six years ago when she began to seek treatment for it. The changes in the bones as shown by the X-ray plates taken when she first came under observation and again recently show so little change that they would seem to corroborate the suspicion that the disease had been present at least ten times as long as the interval between the plates, some twenty-five to thirty years, providing that the rate of development has been constant. How much longer will it last before it undergoes a malignant degeneration at some point and ends her simple life?

Our treatment has been largely on the placebo type in order to keep her under observation. Once in August '18 we took out a piece of bone an inch wide and an inch deep and four inches long from the crest of the tibia for study*. The wound healed

^{*}Examination shows this to be a typical case of Osteitis Deformans (Paget disease). There is considerable thickened subperiosteal shell, disorganization of the laminated structure, invasion of the marrow cavity with cyst-like formations, filled with a mucoid-like substance. There is also present considerable fibrous tissue with soft bone production, but no halsteresis is apparent.

perfectly by primary intention showing that the healing processes in the bone as well as the soft tissues have not been unbalanced either by the constitutional changes or the local disease. Of course there was the psychic element in the operation that gave relief from pain for months afterwards, but that passed and the same old complaint remains. One line of treatment that we hoped might give a control of the growth was dosage with pituitary gland. We reasoned that we might have an antithesis to acromegaly which involves the bones of the hands, feet, face, and ends of long bones as well as other tissues, and acromegaly we think of as due to dyspituitarism. Paget's disease involving the shafts of the long bones of the limbs and the flat bones of the skull seemed to be the complement. So we tried dried pituitary gland as treatment for several months but with no local evidence of change. Perhaps we did modify the course of the disease, who can tell. We hope some day in the long distant future to report on the final condition of all the bones in her body.

ACUTE MERCURY POISONING.

BY ROY FRANKLIN DUNMIRE, M. D.

Mercury chloride, bichloride or corrosive sublimate is the usual form in which mercury is used when taken for suicidal purposes and, as a rule by mouth, either by swallowing the commercial tablets or dissolving the tablet in water and drinking the solution.

Three to five grains have proven fatal, while recovery has resulted after the administration of 100 grains under prompt treatment. Two cases resulted fatally from an external application of an ointment for the itch.

Mercury, however administered is an active gastro-intestinal irritant. When taken by mouth the symptoms always begin within a half hour. Burning in the pharynx, esophagus and stomach, retching, constriction of the throat, acid metallic taste, etc. Pain in the epigastrum is severe and comes on promptly and is associated with nausea and vomiting of material streaked with blood. A white coating forms on the shriveled mucous membrane of the mouth. Later there may be purging and straining associated with bloody stools. The urine is scanty or suppressed. Hemorrhage may occur from the mouth, stomach, bowels or kidneys. As a rule the severity of these symptoms are in direct relation to the amount of the poison absorbed.

Exceptions: 1. Three and one-half grains proved fatal with all symptoms. 2. About 480 gr. fatal with no symptoms of any consequence.

Death may occur in a half hour but usually life is prolonged from two or three days to two weeks. In the latter cases death is usually caused by uremia.

Post mortem. Inflammation is found along the alimentary canal. Mouth, throat, and stomach show patches of congestion and erosion. The colon is especially involved, often with necrotic areas. The kidneys show a characteristic acute parenchymatous nephritis. The other organs are unaffected.

Treatment consists of promptly emptying the stomach either by vomiting, by the use of emetics in milk, or better still

by the use of the stomach tube, using as a wash milk and eggs, ½ doz. to two quarts. Casein like albuminous compounds acts as an antidote. Magnesia, preferably the sulphate converts the bichloride into a less injurious compound. The albuminate of mercury dissolves in the excess of albumin, hence the necessity of emetics or pump. Active cathartic is essential. The after treatment is that of a gastro-enteritis and nephritis.

This case reports J. W. T., age 36. On account of domestic troubles wanted to die, and attempted to commit suicide.

Sunday, June 5th, about 2 p. m., he swallowed four bichloride tablets, which caused slight burning in the throat at the time. Within 15 to 20 minutes he was seized with severe pain in the epigastrum, became nauseated and within a short while vomited, the vomiting being continuous for several hours when he fell across the bed and knew nothing more until the following day at 5 a. m. On regaining consciousness, the vomiting began again and was almost continuous for the next two days. During this time the patient was unable to retain food or water; Thirst was intense. He confined himself to the house until he was removed to the hospital Wednesday the 8th.

The patient stated that he did not void urine after 10 a. m., Monday

Examination of the patient. Male, weight about 155 to 160 lbs. in a semi-conscious state. Partial history was given by friends. The routine stomach wash with milk and eggs was done. Eight ounces of the saturated solution of mag. sulphate was put in the stomach and patient put to bed. Catheterization was done but no urine was obtained. Patient was extremely restless and seemed to be suffering considerable abdominal pain. The following morning consciousness was fully restored. Frequent bloody stools were noted. No urine was voided or obtained by catheter. Hot packs, colonic irrigations, inf. digitalis and olive oil were administered. On the third day after admission the patient voided a small quantity of bloody urine insufficient for examination. Abdominal pain continued requiring morphine. The mucous membrane of the mouth became extremely sore, later gangrenous in type, with necrous

sloughing and hemorrhage. On the fifth day two ounces of urine were obtained. Reports showed evidence of acute parenchymatous nephritis. The urine showed the presence of blood,

casts and albumin with a specific gravity of 1010.

The following day the patient refused treatment. Insisted upon getting out of bed. Occasionally small quantities of urine were voided. On the eighth day the kidney function was fairly well established, analysis however showing albumin, casts and blood. The abdominal pain gradually subsided, the stools becoming normal and the mouth healing. On the 19th day the patient refused to remain in the hospital any longer. One week later the patient called at my office appearing none the worse for his experience.

A FRACTURE OF THE HUMERUS, PROBABLY SYPHI-LITIC IN ORIGIN.

BY CUSTIS LEE HALL, M. D., Professor of Orthopaedic Surgery.

The patient was a young colored man, aged twenty-four, who was brought in to the Base Hospital at Camp Sherman, Ohio, with the diagnosis of fracture of the humerus at the junc-

ture of the lower and middle thirds.

The patient stated that on the day of admission, June 8, 1919, while engaged in throwing a baseball to another man about fifty feet away he felt a sudden pain in the right arm, and the arm fell limp to the side and he was unable to use the elbow and hand. There had at no time been any pain or any swelling or any other symptoms associated with the extremity in any way until the throwing of the ball. Patient had been using the arm daily

in the camp in his capacity of army cook.

Upon examination the patient was seen to be a rather underdeveloped colored man, of normal mentality and appearance, fairly good muscular development, and carrying the right arm in a sling. Examination of the arm showed a simple fracture of the lower third of the humerus, with some angulation and some shortening. There was practically no swelling about the upper arm or elbow joint. The arm was put up in a Thomas arm splint in extension, and with traction applied and the patient was quite comfortable. Full supination of the forearm was easily obtained and held to overcome the rotation of the lower fragment.

No pathological condition was suspected until the radiogram was taken the next day, and which showed a large area of diseased bone at the site of the fracture, and which seemed to be very extensive. The type of bone lesion at once made me suspicious of a luetic process, and a Wasserman reaction was done the following day after the radiogram was seen. This proved to be double plus, and active antisyphilitic measures were at once instituted.

The patient gives a negative family history, and stated he was treated for a specific urethritis in 1917 and again in December 1918, at which time he was in the Base Hospital for two months undergoing treatment. He denied the presence of a sore at any time.

A thorough physical examination revealed nothing abnormal, the pupils being equal and reacting to light, the tonsillar structures were not enlarged, the throat was normal in every respect, the knee jerks were active and equal, there was no skin lesion of any kind.

The Von Pirquet test was negative. The leucocyte count and differential showed no abnormality. His weight was 105 pounds which was normal according to the patient.

There was, however a general glandular enlargement, the axillary and epitrochlear glands being the most marked, and the cervical and groin groups were not so marked.

The patient made an uneventful recovery, and the second radiogram showed beginning union of a bony nature, taken about four weeks after the accident. In six weeks the splint was removed and the function of the elbow was gradually resumed under massage and exercises. The antisyphilitic treatment was continued for eight weeks, and the Wasserman reaction was returned as doubtful, but suggestive. He was discharged at the end of three months, with firm union in the humerus, some slight limitation in extension and flexion of the elbow, and the Wasserman reaction was negative.

Before presenting the slides of the radiograms in the case it would be of interest to give a resumé of the chief characteristics of bone syphilis as seen in the various types of cases.

First, the disease may affect all bone and joint structures. and can simulate any of the forms of bone and joint disease.

The chief characteristics are, lime salt deposit beneath the periosteum and loss of bone substance. In considering the hereditary and acquired forms, the early and the late picture must be differentiated. The picture in the shafts of bones and the articular lesions are also different.

1. Early picture, hereditary form.

Lime salt deposit beneath the periosteum (fusiform thickening), sometimes with smooth surface line; often irregular and localized, and associated with loss of substance beneath cap of bone. (bone blisters.)

Articular and juxta epiphyseal lesions.

Irregular areas of bone destruction and rarefaction.

Occasionally areas of increased density and lime salt deposit beneath the periosteum.

2. Early picture-acquired form, tertiary lesions, shafts.

Lime salt deposit beneath the periosteum, usually circumscribed, and localized increase of density. (bone gumma.)

Articular lesions.

Loss of bone substance at edges of articulations (punched out areas). Thickening of soft part structures. Hazy outlines, often without observable bone lesion in symmetrical cases, especially the knees.

Late picture, hereditary form. Shafts.

Sometimes areas of increased density and marked rarefaction, as a diffuse osteomyelitis. Sometimes general lime salt deposit beneath periosteum appearing to thicken the cortex on side of convexity, that is, sabre shaped tibiae.

Articular lesions.

Rarely more than punched out areas and increased density of soft parts. Occasionally much destruction of joint surfaces.

4 Late picture, acquired form. Shafts.

Diffuse increase in density, sometimes alternating with lines of greater radiability. (striation.)

Articular lesion.

Localized increase in density, and circumscribed lime salt deposit beneath the periosteum, also associated with tabes, much bone destruction, and irregular masses of calcareous material, detritus. Picture often indistinct because of existing tremor. (Tabetic or Charcot's Joint.)

Differential diagnosis would naturally raise the question of first, tuberculosis, and second, osteomyelitis.

Tuberculosis, in the first place, rarely attacks the shafts of bones, the epiphyses and articular surfaces being the most common seat of the disease, and is typified clinically by soft part thickening, limitation in the motion of the part, accompanied by varying degrees of pain, atrophy of the groups of muscles above and below the joint, local increase of heat, tendancy for abscess formation and nearly always, a positive Von Pirquet test. The X-ray picture would give the early picture of increased density of soft parts, squaring and enlargement of the epiphyses, diminution in lime salts, shown by increased radiability of bones, and if the shafts are affected, areas of rarefaction without increase of density of the bone surrounding. The late picture would show irregular or hazy articular surfaces of diminished density with destruction of bone in portions, sometimes circumscribed areas of increased density in soft parts, typical of abscess. Also there would be diminution in diameter of the shaft, and unless the process were healed, diminution in lime salts.

Osteomyelitis, clinically is of rather rapid onset, the pain is more marked, there are more constitutional symptoms, such as elevation of temperature, general malaise, and the usual train of symptoms seen in acute infections of a pyogenic character. From the Roentgen plate we find the ostemyelitic lesion characterized by the following points. Usually the shafts and rarely the joint or epiphyseal structures are involved. Chief characteristics are: one, the circumscribed form, areas of rarefaction in bone shafts with walls of increased density; two, the diffuse form, bone destruction with areas of bone growth.

The early picture often shows nothing abnormal in the Roentgen plate.

Late Picture.

a. Circumscribed form.

Areas of rarefaction (cavities), in the centre of which may be areas of increased density (sequestra) and surrounding which are walls of varying degrees of increased density.

Late Picture—continued.

b. Diffuse form.

Marked irregularity of shaft contour. Irregular lime salt deposit beneath periosteum. If process is active, irregular bony overgrowth and bone destruction with sequestrum formation. If process quiescent, great increase in bone density and increase in diameter of shaft in area affected.

Unusual manifestation.

Lime salt deposit in periosteum without great affection of shafts (periostitis albuminosa).

It will be seen that the late picture of the diffuse form of osteomyelitis is very similar to the late picture in the hereditary form of bone syphilis, and here the clinical history, the laboratory tests and the response to active antisyphilitic measures will aid in the effort to establish a diagnosis.

URETERAL CALCULUS.

ARESSEEEDING.

BY ALBERT E. PAGAN, M.D.,

Attending Gynecologist, Dispensary, University Hospital.

The frequency of the occurrence of ureteral calculi is not definitely known but is more often than generally supposed. Autopsies show that they occur about twice as often as renal calculi. The frequency with which they are met at autopsy, without a history of symptoms, as compared to the frequency with which gall-bladder and biliary-duct stones, without symptoms, are met, leads us to believe that the renal and ureteral calculi occur many more times without symptoms than the gall stones do.

The stones are usually single, but may be bilateral-varying in size from that of a grain of sand to an inch and a half in diameter-they are usually smooth and of oval shape, often having a longitudinal groove which permits a passage of the

urine thru the affected ureter.

The arrest of stones in the ureter most often occurs for anatomic reasons in one of three places; first, about two inches below the kidney; second, at the brim of the pelvis; third, at the vesicoureteral junction.

The diagnosis of ureteral calculus which is generally not diffi-

cult follows.

Stones lodged in the upper third of the ureter cause pain in the lumbar region and loins-at times radiating to the bladder (Penis and testicles in the male). If lodged at the pelvic brim, the pain is less in the back but more in the lower abdomen, sacrum, bladder and genitals and down the inner surface of high. If lodged at the ureteral orifice, the vescial symptoms are prominent, i. e., of tenesmus frequency.

The pain is very severe, often causing prostration, profuse perspiration, vomiting-large doses of opiates are needed to

relieve it.

At times the passage of the stone along the ureter may be judged by progress downward of the pain. Uncomplicated cases show very little if any rise of temperature above the normal—the pulse is generally accelerated moderately.

The abdomen is sensitive to deep palpation over the calculus—there is no localized rigidity.

Stones in the lower segment at times may be palpated by the vaginal or rectal route. Stone in the right ureter often must be differentiated from appendicitis or salpingitis. In the former the recognized sequence of symptoms—pain, nausea, vomiting, bowel disturbance, tenderness, rigidity, and leukocytosis are generally elicited, while in the latter the physical findings afford data for diagnosis. In both the urinary findings are generally negative.

Urine during or shortly after an attack shows albumin, blood cells or macroscopic blood-pus—amount of output may be diminished.

When calculus in the ureter is suspected, a ureteral catheterization is indicated—a waxtipped catheter on removal may show scratches or imprints of a rough stone on its soft tip; the catheter on being passed shows, by its meeting resistance, the probable location of the stone. A functional test should be made. The final diagnosis can nearly always be made by the X-Ray, preferably with a catheter in place to show the location of the stone to be in the ureter; for calcified mesenteric glands and calcified nonabsorbable sutures from a previous operation, as appendectomy, have been mistaken for ureteral calculi.

It is not well to inject the ureter and expect a good plate, for the fluid will often pass the stone and so go on to the pelvis of the kidney, giving a negative plate, save possibly for a dilation above the impacted stone.

TREATMENT.

Many cases are reported as successfully treated by dilating the ureter thru a cystoscope, and the injection of a sterile lubricant, as oil or glycerin. This failing, operation is indicated.

The operative treatment varies of course with the location of the stone; those in the upper third of the ureter are best treated thru the regular loin incision to expose the kidney, the work being done extraperitoneally, if possible. Cases in the lower part of the ureter may be treated by a surapubic incision,

dissecting up the peritoneum and exposing the ureter, or by going thru the peritoneum, as for any other laparotomy.

A few cases are reported where calculi in the lower segment have been removed by the vaginal route.

Nearly all authors agree that it is well to drain these wounds for a short period, 24 to 72 hours, though some say uninfected cases may be closed; but we can never be sure that the urine is not infected. When in doubt, drain.

I have to report a case which differs slightly from any I have been able to find reported in that I established vaginal drainage, and did a transperitoneal operation for stone in left ureter just below the pelvic brim.

Jan. 1917-Miss L. K., English working-girl, 21 years oldgeneral appearance, healthy and well developed. Family history negative. Past history negative. Had just finished a menstruation-sudden severe pain in L. R. Q., vomiting, recently constipated, leukocytes 9,500, temperature 99.2 degrees "F" urine normal; routine examination. Patient states that she has had four previous attacks of severe pain in lower abdomen, generally during or after menstruation-pain most severe on right side generally, but has also had severe left-sided pain. Previous attacks relieved by electrical treatments and medicine by mouth. Examination.—Right abdomen seemed slightly rigid, quite sensitive to deep pressure at McBurney's point. Bimanual, one finger admitted, vagina, long and small, cervix long and conical, points in axis of vagina, left appendage seemed enlarged and sensitive, prolapsed and moderately fixed; otherwise negative.

Operation January 19, 1917.

Cervix dilated, Tr. of Iodine injected into uterus, med. rt. rectus suprapubic incision; left ovary enlarged and cystic prolapsed resected, and attached to lateral wall of pelvis; appendix 3½ inches long, and retrocecal, moderately inflamed; a thick peritoneal membrane covering about 4 inches of anterior surface of lower end of ascending colon passing down and outward attached to parietal peritoneum was clamped, cut, and edges sutured; abdomen closed. Recovery uneventful till twelfth day when patient had suddenly at night, a severe attack of pain.

L. L. Q. radiating to inner side of left thigh, and associated with dysuria-tenesmus, no fever, pulse 90, patient suffering and very nervous. One-sixth grain of heroin gave moderate relief and attack gradually subsided. Urinalysis of specimen passed next morning showed few red cells, occasional pus cell, and slight trace of albumin. Patient discharged from hospital and seemed well for about seven weeks. When I was called patient had just finished a menstruation; sudden severe pain lower abdomen, most severe on left side, radiates down inner side of left thigh, being continuous with intermittent severe exacerbations; temperature normal, pulse 94, pupils dilated.

Examination.—Abdomen soft, but patient resents pressure over entire lower third—bimanual negative; Catheter passed, genitals not inflamed but urethra seems unduly sensitive; specimen obtained showed few reds, occasional white, and slight

trace of albumin.

Dr. Dan Borden performed a cystoscopic examination, and ureteral catheterization; the catheter on right side passed unobstructed to the kidney. On the left side an obstruction was met about 2½ inches from the ureteral orifice. Dr. Abbe made X-Ray plates, one of which showed a distinct shadow at or about the point the catheter was stopped.

Operation March 26, 1917.

Posterior colpotomy released small amount of clear serous fluid from peritoneal cavity; a large caliber double T rubber tube drain was placed. Median suprapubic incision, moderate Trendelenburg-leftureter was found, peritoneum opened; a stone about the size of a small pea palpated, just below brim of pelvis. A longitudinal incision was made about ¼ inch above stone, fine hemostatic forceps passed in, grasping the stone in an attempt to extract it; it was crushed, and removed in small particles. A size 14 French sound passed down and up the ureter, meeting no resistance; the ureter was closed with two layers of No. O chromic gut, peritoneum over ureter not closed, abdomen closed. Recovery uneventful; rubber tube removed from vagina on fourth day.

A recent communication from the patient says she has been free from any further attacks to date.

INTERSTITIAL KERATITIS.

BY E. G. SEIBERT, M.D.,

Clinical Instructor in Laryngology and Ophtholmology.

Interstitial keratitis has been one of the bugbears of opthalmology. Persistence and recurrence has characterized this disease. Of syphilitic origin it has, prior to the use of salvarsan, been the most resistant to the mercurials of any of the various luetic manifestations.

In 1915 the writer instituted the practice of the local use of salvarsanised serum in the treatment of ocular syphilis by subconjunctival injection and, in keratitis, by dropping the serum in the conjunctival sac. The practice has proven itself to be wholly dependable.

Noguchi has shown that the spirochaete shows itself in several different strains, certain ones of which show a selective action in their location. For example one strain injected into the testicle of the rabbit showed its manifestations in the cornea in the form of interstitial keratitis.

By its location in the intracellular spaces of the cornea, the action of systemic remedies has been of little or slow effect upon the spirocheate and consideration of this fact led the writer to the employment of salvaranised serum locally, after the principle of the Swift-Ellis treatment and the well established demonstrations of Ehrlich and others of the destructive action of this serum on the spirocheate.

The case presented this evening was first seen in the George Washington Dispensary service in Feb'y, '17. At that time there was marked opacity of both corneae so that vision was limited to light perception only. With a four plus Wasserman the patient was given two doses of .1 gm. salvarsan at usual intervals. Atropin and hot compresses were used on the eyes. After three or four weeks with no apparent improvement some salvarsanised serum was procured and several sub-conjunctival injections of 1 cc. each given, after which the serum was given the mother, by whom it was dropped into the conjunctival sac three times daily. This was continued until the early part of

May, by which time all inflammatory reaction had disappeared. Injections of mercury salicylate with two injections of neosalvarsan completed the anti-syphilitic treatment. At this time the corneae were fairly opaque, white and vision low but better than when first seen. A 5 percent Dionin solution was then given for continuous use twice daily, with hot compresses.

The writer entering the military service early in the summer of '17, the case was not again seen until in March, 1919. By this time the corneae of the left eye had cleared completely, the right showed a faint haze on oblique illumination. The dionin was continued and is still being used to dispel this faint haze. The prognosis is one of complete recovery of vision.

Note.—This patient was seen in July, 1920, and discharged. Both corneae are completely clear, not even a faint haze being detected by oblique illumination, vision 20/30 in each eye which may be improved by a glass.

CONTENTS

	PAGE
THE PHYSIOLOGIC PRINCIPLE IN THE TREATMENT OF DISEASE William J. Mallory, M. D.	:3
Hemolytic Streptococci in Tonsils	10
CONSTITUTIONAL DISEASES IN THEIR ETIOLOGICAL RELATIONSHIP TO INFECTIOUS FOCI OF TEETH FROM THE VIEWPOINT OF THE MEDICAL ROENTGENOLOGIST	14
THE MAJOR TRIGEMINAL NEURALGIAS AND THEIR TREATMENT, INCLUDING A DISCUSSION OF THE ETIOLOGY AND CLINICAL MANIFESTATIONS OF THE DISEASE, THE METHODS AND THE RESULTS OF TREATMENT. (Abstract)	31
CASE REPORTS:	
HAEMIANGIOMA OF THE SCALP (Carcinoma of an Aberrant Thyroid Gland)	34
PAGET'S DIBEASE OF THE BONES (Osteitis Deformans) , , , , , , Truman Abbe, M. D.	1518
Acute Mercury Poisoning	40
A Fracture of the Humerus, Probably Syphilitic in Origin . Custis Lee Hall, M. D.	43
URETERAL CALCULUS	48
Albert E. Pagan, M. D.	
Interstitial Keratitis	52

George Washington University Bulletin

REPORT OF THE TREASURER
1919–1920



PUBLISHED BY THE UNIVERSITY WASHINGTON, D. C.



George Washington University Bulletin

REPORT OF THE TREASURER for the year ended August 31, 1920

Volume XIX, Number 4 December, 1920

PUBLISHED BY THE UNIVERSITY AT WASHINGTON, D. C. MARCH, JUNE, OCTOBER AND DECEMBER

Entered October 6, 1904, at Washington, D. C., as second class matter under Act of Congress of July 16, 1894.

Report of the Treasurer.

October 27, 1920.

THE BOARD OF TRUSTEES OF GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report showing in detail the financial operations of the University for the fiscal year ended August 31, 1920; and exhibiting the state of the Trust Funds, as required by the By-Laws of the University, certified by The American Audit Company of New York.

The total net Resources of the University are \$935,152.74, a gain for the year of \$111,391.92, as shown in the following comparative summary of Assets and Liabilities for 1918-19 and 1919-20:

COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1918-19 AND 1919-20 Assets.

0 .	1918-19	1919-20	Increase.	Decrease.	Net increase.
Cash, general funds	\$6,796.32	\$23,436.32	\$16,640.00		
		\$20,300.02	\$10,010.00		
Trust Funds	9,950.78	7,430.58		2,520.20	
Trust Funds	505,197.45	498,306.97		6,890.48	
Plant used for Educa-	000,101.10	200,000.01		0,000.20	
Library Books	527,584.83	733,852.16	206, 267.33		
Library Books	46,782.02	48,493.87	1,711.85		
Accounts receivable.	12,222.08	30,502.24	18,280.16		
Perpetual insurance deposits	23,222.00	00,002,22			
deposits insurance Equipment	1,406.25	1,406.25			
Equipment	100,374.07	102,557.33	2,183.26		
	200,012.01	1001001100			
38	\$1,210,313.80	81.445.985.72	\$245,082.60	\$9,410.68	\$235,671.92
	** 010 010 0	1,100,100,100			
Av.		V - 1 -71-41			
Notes, secured by		Liabilities.			
Deeds of Trust	610 005 50	0140 500 50	0100 FGO 00		
Notes, upsequed	\$19,995.50	\$149,563.50		e12 000 00	
Notes, unsecured Liability to Endow- ment Funda	12,000.00			\$12,000.00	
many E EHIOW	050 000 01	0.00 000 01			
Accrued expenses	352,928.81	352,928.81			1
Accrued expenses, not due. Reserve, War Dont	4 000 AW	F 00F F1	2 000 04		
Reservo TV	1,628.67	5,625.51	3,996.84		
Cham a Doples		1 AOP 100	1 405 17		
Reserve, Student Ac-		1,465.17	1,465.17	*******	

Accounts payable		700.00 549.99	700.00 549.99		********
	\$386,552.98		\$136,280.00	\$12.000.00	\$124,280.00
Total net re-	\$823.760.82	\$935.152.74			\$111,391.92

Reserve, Student Ac-

tivities....

Trust Funds were received amounting to \$6,918.88 as follows: Nellie Maynard Knapp Scholarship Fund \$2,000.00; Endowment Restoration and Accretion Fund \$93.88; Founders of Columbian Women Scholarship Fund \$1,000.00; Alumni \$1,800.00; Byron Andrews Memorial Scholarship Fund \$3,000.00; Alumni Endowment Fund \$25.00. Executory Trust Funds were increased by gifts

and added income \$5,666.94 and decreased by the execution of trusts \$19,476.30; a net decrease of \$13,809.36. Trust Funds and Executory Trust Funds aggregate \$498,306.97.

Four New Trust Funds were opened during the year and the following amounts received, all of which are included in the preceding paragraph: Founders of Columbian Women Scholarship Fund \$1,800.00; Byron Andrews Memorial Scholarship Fund \$3,000.00; Alumni Endowment Fund \$25.00; and, Chemical Laboratory Building Fund \$115.00.

Real Estate used for educational purposes or acquired for building sites is valued at \$733,852.16, an increase of \$206,267.33. This increase is made up as follows: Lots on Twenty-first street \$8,029.19, partly improved; Lots on Twentieth street \$29,042.45, improved; Payments on account of Law School, 1435 K Street \$161.195.69; Pharmacy building \$8,000.00.

The Mortgage Debt stands at \$149,563.50, an increase of \$129,568.00. This increase is analyzed as follows: Deeds of Trust given as partial payment on Law School building \$120,000.00; on Twentieth street property \$14,500.00; and Deed of Trust on Pharmacy building \$8,000.00. Total \$142,500.00. Reductions during the year: Mortgage on 2017 G Street paid \$5,000.00; mortgage on 2023 G Street paid \$7,500.00; mortgage on 1300 L Street reduced \$432.00. Total reduction \$12,932.00.

Laboratory Equipment and Furniture are valued, after writing off the usual depreciation, at \$102,557.33, an increase of \$2,183.26.

Books in the Libraries are valued, after writing off the usual depreciation, at \$48,493.87, an increase of \$1,711.85.

Contributions, other than those reported under Trust Funds, were received and disbursed as intended by the donors:

Gift of Abram Lisner, a trustee of the University, \$24,500.00, used in

clearing the G Street property of debt.

Gifts by members of the Board of Trustees to the Hospital Improvement Fund, \$1,072.00, which, with \$300.00 received from the same source, in 1918-19, was used for the improvement of the sanitary conditions at the University Hospital.

Gifts from various donors for special lectures \$496.00; for books \$50.00; for special hospital supplies \$100.00; to aid in the restoration of the University of Louvain \$255.00; for prizes \$560.00.

Property Under Lease for educational purposes:

2022 G Street, one year ending September 30, 1921, at \$1,500.00 a year-2024 G Street, two years ending October 1, 1921, at \$1,200.00 a year. Basement of Concordia Church, eight months, in 1920-21, at \$75.00 a nonth.

Cash Receipts and Disbursements:

Balance brought over from 1918–19 \$5,671.32 Receipts for the year 1919–20 494,641.02	
	\$500,312.34 478,401.02
Balance on hand August 31, 1920	\$21.911.32

A statement in detail of the Cash Receipts and Disbursements will be found in Exhibit "M" of this report.

Respectfully submitted,

CHARLES W. HOLMES, Treasurer.

Report of the American Audit Company.

October 27, 1920.

We have examined the accounts and records of the GEORGE WASH-INGTON UNIVERSITY for the year ended August 31, 1920, and submit our report, including Exhibits, as follows:

EXHIBIT "A"—Balance Sheet,
As at August 31, 1920.

"B"—General Surplus,
As at August 31, 1920.

"C"—Medical Department Surplus, As at August 31, 1920.

"D"—Law School Surplus, As at August 31, 1920.

"E"—Revenue Account,
For the year ended August 31, 1920.

"F"—Department of Arts and Sciences,
For the year ended August 31, 1920.

"G"—Department of Arts and Sciences Summer School, For the year ended August 31, 1920.

"H"—Law School, For the year ended August 31, 1920.

"I"—Law Summer School,
For the year ended August 31, 1920.

"J"-Medical and Dental Schools,
For the year ended August 31, 1920.

"K"—University Hospital, For the year ended August 31, 1920.

"L"—College of Pharmacy,
For the year ended August 31, 1920.

"M"—Statement of Cash Receipts and Payments, For the year ended August 31, 1920.

"N"—Trust Funds,
As at August 31, 1920.

"O"—Endowment Funds Investments, As at August 31, 1920.

"P"—Executory Trust Funds Investments, As at August 31, 1920.

"Q"—Endowment and Executory Trust Funds, Income and Expense,
For the year ended August 31, 1920.

44444444444

CASH: \$23,436.32.

We counted the cash on hand October 1, 1920, and reconciled the Cash Account with the Bank Accounts as at August 31, 1920.

ACCOUNTS RECEIVABLE: \$30,502.24.

This amount consists of Fees, etc., due for the term of 1919-1920 from students in the various departments, and other Accounts Receivable, as follows:

2791 95

School of Graduate Studies)
Columbian College 9,743.13	3
College of Engineering	
a culculota Contago i i i i i i i i i i i i i i i i i i i	
Summer School	
Total Department of Arts and Sciences	\$18,577.74
Law School 6,781.29	
Law Summer School 161.73	
Law Summer School	
200 10 10 1	- 6,943.00
Medical School	
Dental School	
	- 330.86
Accounts due University Hospital from patients for the year	
1919-1920	2,898.64
District Title Insurance Co.	
District Title Insurance Co	
Income from Endowments, available but not transferred to	4 500 OF
University Account as at August 31, 1920	1,729.95
	\$30,502.24

The balances standing in accounts due at September 1, 1919, remaining unpaid as at August 31, 1920, are considered worthless, and were charged against the respective Surplus Accounts.

DEPRECIATION:

Depreciation on the Library Books and Equipment was charged off to the amount on \$2,195.09.

NET INCOME:

The Net Income for the year from all departments, exclusive of the University Hospital, was \$72,877.94, as shown by Exhibit "E."

GENERAL SURPLUS: \$421,012.96.

The changes in this account since August 31, 1919, are shown by Exhibit "B."

MEDICAL DEPARTMENT SURPLUS:

This account was balanced at August 31, 1920, as shown by Exhibit "C."

LAW SCHOOL SURPLUS: \$8,402.23.

This account represents the Law School Surplus as at August 31, 1920, as shown by Exhibit "D."

TRUST FUNDS:

On October 26, 1920 we inspected the securities representing the investments of the Endowment and Executory Trust Funds, in stocks, bonds and notes, as per Exhibits "O" and "P."

We verified the cash balances as at August 31, 1920, representing uninvested principal \$19,871.15, and unexpended Income \$7,430.59 of the Endowment and Executory Trust Funds with the bank accounts.

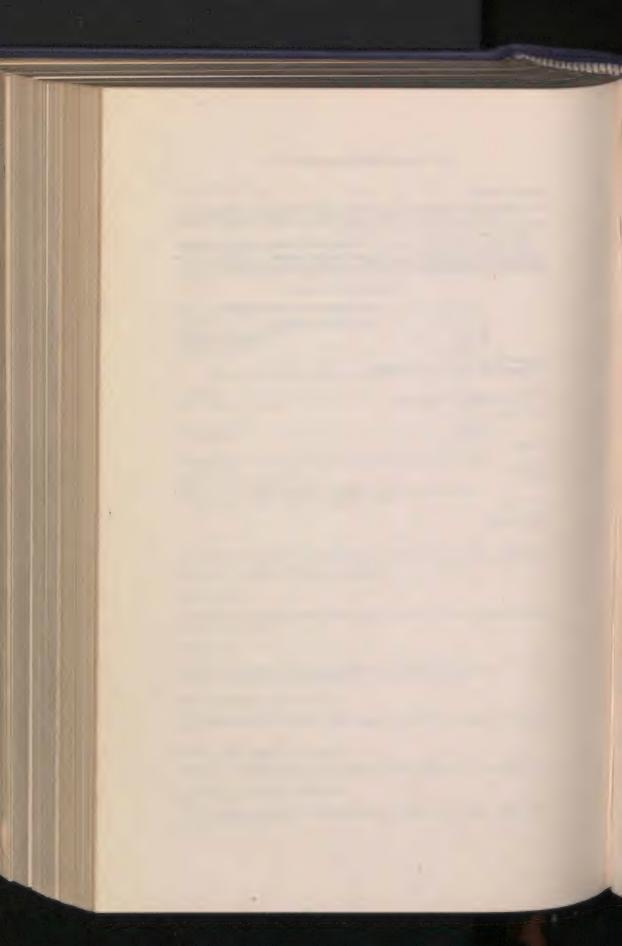
Respectfully submitted,

THE AMERICAN AUDIT COMPANY, By C. R. CRANMER,

Resident Manager

Approved: HARRY M. RICE, Vice President.

M. PICKETT, Ass't Secretary.



GENERAL ACCOUNTS

EXHIBIT "A."
BALANCE SHEET.
As at August 31, 1920.

	149, 563. 50 549. 99 2, 941. 77 2, 683. 74 1, 465. 17 700. 00	321, 430, 23		31,498.58	490 415 10	01110111
\$120,000.00 4,000.00 10,500.00 8,000.00 4,500.00 2,563.50			7,179.32	24,319.26	421,012.96 8,402.23	
ust Notes: Notes Secured by Deeds of Trust on: 1435 K Street N. W. 720 20th Street N. W. 722-728 20th Street N. W. 808 Eye Street N. W. 1016 13th Street N. W.	er Schoolal Research.	Funds: rust, dated ledical and Buildings, I H Street	ity General	t Funds In- lied to cur- August 31,		
tr Notes: Liabilities. It Notes: Otes Secured by Deeds of Trust on 1435 K Street N. W. 720 20th Street N. W. 722-728 20th Street N. W. 808 Eye Street N. W. 1016 13th Street N. W.	yable (Currantes, Summable.	Secured by Deed of Trust, dated Dec. 1, 1910 on Medical and Hospital Lands and Buildings, 1335, 1339 and 1341 H Street N. W.	ability of the University General Property: To Denman Fund	Specific Endowment Funds In- come, which was applied to cur- rent expenses prior to August 31, 1910	General (Exhibit "B") Law (Exhibit "D")	
Trust Notes: Notes Secure 1435 K 720 20th 722-728 808 Eye 1016 1340 L 300 L 30	Accounts Payable (Currer Accrued Salaries, Summer Interest Payable. War Department Chemica Student Activities.	Lability to Endowment Funds Secured by Deed of Trust, d Dec. 1, 1910 on Medical Hospital Lands and Build 1335, 1339 and 1341 H S N. W.	Liability of the University General Property: To Denman Fund	To Specific come, whi rent experimental 1910	General (I Law (Exh	
223,436.32 Trust Notes Se 1435 720 20 772-72 808 E 1016	30,502.24		48,493.87		100 587 22	00.
\$21,911.32 1,525.00 25,851.60 2,898.64 2,292.05	1,729.95	70.00 29,135.67 18,633.68 4,837.76	52,677.11 4,183.24	48,758.96 3,958.78 30,021.10 30,968.33	113,707.17	403,599.93
Cash: In Bank. Petty Cash Funds. Accounts Receivable: Students Ledger, 1919–1920. Hospital Accounts, 1919–1920. District Title Insurance Co.	Endowment Income Receivable Insurance: Withdrawal value of Perpetual Insurance Policies	Alumni Catalogues Alumni Catalogues Arts and Sciences. Law School. Medical School.	Less Depreciation	Arts and Sciences Law School Medical School University Hospital	Less Depreciation	Real Estate: Medical and Hospital Lands and Buildings, 1335, 1339 and 1341 H Street N. W

		\$940,248.17	Investments.	Trust Funds, Exhibit "N": Endowment Funds Executory Trust Funds 38,137.98		\$498,306.97	\$429,415.19 ccme	Total Net Resources \$935,152.74
2017 G Street N. W. including 18,218.03	Laboratory Building Engineering 43, 180, 73 2025 G Street N. W 7,718, 98 2101 G Street N. W 7,718, 98 2101 G Street N. W 18,448, 42 2105 G Street N. W 2,795, 17 1016 13th Street and 1300 L Street 20,796, 00 Lots E and F, Square 102, 4,662, 78 Lot D, Square 102, 5,000, 00 Lot D, Square 102, 20,000, 00 Lot G, Square 102, 9,042, 45 1435 K Street N. W 161,195, 69 808 Eye Street N. W 8,000, 00 8,000, 00 8733,852,16	\$940,248.17	Trust Funds and Investments.	Endowment Funds, Exhibit "O". \$456,632.75 Executory Trust Funds, Exhibit 21,803.07	Cash on Hand, for Investment, Aug. 3,536,24 Executory Trust Funds. 16,334.91 Executors Trust Funds. 19,871.15	\$498,306.97	Surplus General Property Trust Funds	Total Net Resources

EXHIBIT "B." GENERAL SURPLUS As at August 31, 1920.

Balance September 1, 1919	\$293,551.69
Add:	
Old Accounts Collected Old Checks unpresented Transfer from Mechanical Engineering Laboratory Fund Transfer from Law School Surplus. Transfer from Trust Funds. Contribution from Abram Lisner Property received from National College of Pharmacy\$8,000.00	549.92 225.21 275.00 20,195.69 21,000.00 24,500.00
Deduct: Note and Interest paid for National College of Pharmacy	3,978.67
ended August 31, 1920, transferred to Medical Department Surplus, Exhibit "C". Net Income for University for the year ended August 31, 1920, transferred from Revenue Account, Exhibit "E"	15,110.71 72,877.94
	3452,264.83
Uncollectible Accounts prior years	31,251.87 3421,012.96
As at August 31, 1920.	
Balance September 1, 1919	\$5,880.90 3,948.69 7,184.16
	\$17,013.75
Less:	,0.0
Uncollectible Accounts—prior years: Medical and Dental Schools	\$17,013.75

GENERAL ACCOUNTS

EXHIBIT "D." LAW SCHOOL SURPLUS. As at August 31, 1920.

Balance September 1, 1919	\$9,180.00
Add:	
Net Income Law School for year ended August 31, 1920 (Exhibit "H")	20,773.97
(Limited La J	
	\$29,953.97
Less:	
Uncollectible Accounts 1918–1919	
	21,551.74
Balance August 31, 1920	\$8,402.23

REPORT OF THE TREASURER

University Hall:			
	\$5,498.89		
Rent	1,675.00		
Heat and Light	4,366.99		
Repairs	1,916.01		
Hauling	220.00		
Insurance	276.04		
Supplies and Expense	1,313.95	\$15,266.88	
Transferred to General Fund	-	102,342.89 51,009.42	\$ 153,352.31
			41,829.05
Net Income Department of Arts School transferred from Exhibit "C	and Science	ces Summer	1,119.84
Net Income transferred to Revenue Ac	ecount (Exh	nibit "E")	\$42,948.89
Note:			
Library Books were purchased duri	ng the year	to the amou	nt of \$985.53
Note:			
Tuition was provided by the D. which it received no monetary of Scholarships	onsideration	of Arts and a as follows: \$4,729.00 1,111.00 1,093.50	\$6,933.50
Ехніви	r "G."		
	~~~	O OWN A A A A POST	aguaal
DEPARTMENT OF ARTS AND			SCHOOL
For the year ended	August 31	1, 1920.	
Inco	me		
=		enn ogg ng	
Tuition Laboratories		\$22,866.25 726.11	
Editoratories		120.11	\$23,592.36
Expe	nses.		
Salaries		\$18,866.28	
Miscellaneous		122.77	
	-	210 000 07	
T		\$18,989.05	
Transferred to General Fund	******	\$3,483.47	22,472.52
	_		22, 2

Net Income, transferred to Department of Arts and Sciences (Exhibit "F").....

\$1,119.84

#### Ехнівіт "Н."

#### LAW SCHOOL

For the year ended August 31, 1920.

In	come.		
Tuition		\$73,676.75	
Matriculation			
Library			
Contribution for Admiralty Prizes		260.00	
Contribution for Herrick Prize			
Contribution for Ellsworth Prize			
The state of the s			\$76,675.25
Exp	enses.		
Salaries	\$31,423.09		
Stationery and Printing	1,012.19		
Telephone	153.60		
Postage	165.00		
Advertising	538.18		
Phi Delta Phi Prize	25.00		
Admiralty Prizes	260.00		
Herrick Prize	25.00		
Ellsworth Prize	25.00		
Depreciation on Equipment	79.17		
Depreciation on Library Books	186.33		
Miscellaneous	441.31		
Expenses under Special Appropria-	222.00		
tion	1,077.84		
VIOII	1,011.01		
	35,411.71		
Transferred to General Fund	\$19 436 00		
Tansieried to General Fund	610, 100.00	\$54,847.71	
Law Hall:			
Wages	720.00		
Light	221.46		
Light.	47.75		
Repairs to Equipment	141.40		
Supplies and Expense	111.10	1,130.61	
	-	-,	55,978.32
		-	
			\$20,696.93
Net Income Law Summer School T	ransferred fro	om Exhibit	mm 0.4
"I"			77.04
			000 HTQ 07
Net Income, transferred to Revenue	Account (Ex	hibit "E")	520,773.97
		-	
NOTE:			
Library Books were purchases during	the year to t	he amount of	\$1,177.28.
- Will books were purchases during			

#### REPORT OF THE TREASURER

#### Ехнівіт "І."

#### LAW SUMMER SCHOOL

For the year ended August 31, 1920.

#### Income.

Tuition	\$5,152.00
Expenses.	
Salaries       \$4,131.98         Advertising       78.03	
Transferred to General Fund	\$5,074.96
Net Income, transferred to Law School (Exhibit "H")	\$77.04

#### Ехнівіт "Ј."

#### MEDICAL AND DENTAL SCHOOLS.

For the year ended August 31, 1920.

Income.		
Medical School: Tuition Matriculation Laboratory Library Rent of Microscopes Miscellaneous	\$19,625.86 345.00 844.78 69.00 144.00 332.46	
Dental School: Tuition Matriculation Infirmary Sale of Dental Supplies Miscellaneous	9,748.75 193.00 4,960.78 208.70 541.53	\$21,361.10 \$16,152.76
		\$37,513.86
Expenses.		
Salaries		

Salaries	\$34,050.15
Laboratory	3,434.80
Infirmary	3,739.35
Stationery and Printing	1,017.69
Advertising	152.33
Telephone	290.98
Postage	89.23
Traveling Expense	266.36
Insurance	1,037.58
Depreciation on Equipment	621.06
Depreciation on Library Books	48.37
Miscellaneous	542.09
ATAISCEIIANCOUS	

\$45,289.99

Medical Hall:	
Wages	2,003.97
Heat and Light	3,204.00
Hauling	142.00
Repairs	946.13
Supplies and Expense	1,037.82

\$7,334.58

ferred to Revenue Account (Exhibit "E")	Net Deficit, ferred to I	Medical and Revenue Acco	Dental Sch unt (Exhibit	ools trans- "E")		\$15,110.71
-----------------------------------------	-----------------------------	-----------------------------	----------------------------	---------------------	--	-------------

Note:

Library Books were purchased during the year to the amount of \$93.09.

#### Ехнівіт "К."

#### UNIVERSITY HOSPITAL.

For the year ended August 31, 1920.

n			

Pay Patients:	200 000 55	
Collected	\$98,092.55	
Donation from Freda Kuhblank	2,898.64	
Donation from Freda Kundiank	100.00	
77		\$101,091.19
Expenses.		
Salaries	31,561.66	
Table Supplies	33,318.22	
Medical and Surgical Supplies	7,295.52	
Electricity and Gas	3,516.47	
Fuel	3,362.00	
Laundry	2,994.43	
Repairs	4,958.83	
Miscellaneous Supplies	4,343.34	
Ice	1,671.82	
Telephone	739.87	
Stationery and Printing	955.47	
Insurance	748.18	
Interest	462.50	
Hauling	221.00	
Miscellaneous	993.19	
_		97,142.50
Net Income, transferred to Medical Department	_	
Surplus (Exhibit "C")		\$3,948.69
	=	

#### Ехнівіт "L."

### COLLEGE OF PHARMACY.

For the year ended August 31, 1920.

#### Income.

Matriculation	\$1,280.00	
Laboratory	176.70	
Expenses.		\$1,491.70
Salaries	1.467.33	
Telephone	35.18	
Telephone Heat and Light	240.05	
Supplies. Repairs.	159.23	
Misselle peace	562.15	
Miscellaneous	492.69	2,956.63
Deficit, transferred to Revenue Account, (Exhibit	-	\$1,464.93

EXHIBIT "M."
STATEMENT OF CASH RECEIPTS AND PAYMENTS.
For the year ended August 31, 1920.

	al.	051.92	98,374.24	25,961.00	4 300 30
	Total.	\$314,	_		_
	Hospital. Pharmacy.	\$314,051.92		100.00	18 216
		21,579.12 10,526.53 \$1,027.73	\$98,374.24	100.00	8.2.16
	Medical and Dental.		::	100.00	917.81
tro amonat no	Law.	\$70,340.60			460.00
to and transport transport to the transp	Arts and Sciences and Administra- tion.	\$13,888.71 108,976.43 42,203.09 17,435.75	2,870.00.	24,500.00 496.00 50.00	3 100.00
	Receipts.	From Students: Graduate Columbian College College Teachers College Taw Medical Dental Pharmacy Summer Session.	Graduation fees. 2,870.00. University Hospital Dental Infirmary	Abram Laner Special lectures Books Special supplies	Prizes Prizes Student fees, 1918–19

EXHIBIT "M"—Continued.
STATEMENT OF CASH RECEIPTS AND PAYMENTS.
For the year ended August 31, 1920.

Total.	423.00 1,674.73 1,674.73 1,018.92 275.00 5,000.00 1,740.70 27,869.50 7,869.50	494,641.02	\$514,077.02	\$519,748.34
Pharmacy.	09 698 . 2	8,897.23	\$8,897.23	\$8,897.23
Hospital	708.70	98,474.24	\$98,474.24	\$38,798.09 \$98,474.24 \$8,897.23
Medical and Dental.	111.15	38,798.09	\$38,798.09	\$38,798.09
Law.		75,988.35	\$75,988.35 7,147.58	\$83,135.93
Arts and Sciences and Administra- tion.	423.00 541.00 1,674.73 7,244.25 1,018.92 275.00 5,000.00 1,032.00 20,195.69	272,483.11 19,436.00	\$291,919.11	\$290,442.85
Receipts.	Reaf, Fraternity rooms Real Estate rents Endowment income Special Examination Student Activities Interest on bank balances M. E. Lab. fund to Gen'l a/c War Dept. Chem. Research. Sale of Dental property Iaw transfer for 1435 K. Proceeds trust, 808 I Street. Miscellaneous.	Adm. transfer from law	Cash balances Sept. 1, 1919. Cash overdraft Sept. 1, 1919.	

Payments.	Arte and Sciences and Administra- tion.	Law.	Medical and Dental.	Hospital.	Pharmacy.	Totals.
Regular Departmental University Hospital Dental Infirmary Refunds to students Maintenance of buildings General Expenses Stationery and printing. Advertising Postage Interest Commencements Equipment Library Books Real Estate Notes paid Notes paid Notes paid Notes Equipment Taxes War Dept, Chem. Research Petty Cash 1919 Summer Salaries Refund, 1917–18 breakage To G. E. for purchase 1435 K	\$103,297.46 2,352.76 16,882.10 85,813.21 6,837.70 1,238.72 1,012.76 1,440.28 42,724.88 24,500.00 24,500.00 385.00 385.00 77,132.00	\$39,207.17 256.00 1,380.61 1,177.28 75.00 72.00 128.74	\$42,322 00 2,827,67 994,27 6,834,68 307,36 93,09 313,45 5,75		\$6,936.46	\$191,763 09 2,827 67 2,827 67 25,067 39 35,813 21 6,927 70 1,238 72 1,012 76 1,012 76 4,397 46 4,397 46 24,500 00 302 85 3,534 83 400 00 400 00 5,634 83 5,756 00 100 00 1
Administration transf. to G. E.  Total payments. Cash balances, Aug. 31, 1920. Cash overdrafts, Aug. 31, 1920.	\$256,830,99 \$256,830,99 33,611,86 \$290,442.85	882,457.71 678.22 883,135.93	\$53,384.82 \$53,384.82 14,586.73 \$38,798.09	\$98,227.04 \$98,227.04 247.20	\$6,936.46 1,960.77 \$8,897.23	478, 401, 02 19, 436, 00 \$497, 837, 02 21, 911, 32 \$519, 748, 34



TRUST ACCOUNTS

EXHIBIT "N."

#### TRUST FUNDS.

As at August 31, 1920.

#### GENERAL ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of the general work of the University.

Subscription Gifts Endowment Fund, 1845-1851:

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.).....\$12,525.56

---

Withers Endowment Fund:

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving \$16,100, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund)...

26,891.46

Corcoran Endowment Fund:

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon, or the income therefrom to be used for the current expenses and support of the institution; William W. Corcoran, of Washington, D. C., giving \$112,000, and the balance being obtained by general subscription (\$189,048.75 of this fund invested in Deed of Trust on Medical and Hospital Lands and 

Syms Endowment Fund:

Bequest of Samuel Robert Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College proper.....

1,500.00

\$258,781.94

#### PROFESSORSHIP ENDOWMENT FUNDS.

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

Congressional Professorship Endowment Fund:

Donation by the United States, in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees;" (appropriated to the extent of \$6,295.77 by vote of the Board of Trustees to the support of the Professorship of English ........... \$91,711.93

Elton Professorship Fund:  Bequest of Rev. Romeo Elton, of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy.  Alumni Professorship Fund:  Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be	14,508.19
invested and the interest only to be used for the pro- fessorship	829.49
	\$107,049.61
SPECIFIC ENDOWMENT FUNDS.	
Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorahips) incidental to, or connected with, the general work of the University.	
Scholarship Funds:	
Walker Scholarship Fund: Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship	\$2,500.00
Withington Scholarship Fund: Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship.	1,953.13
Morehouse Scholarship Fund: Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry	1,500.00
Kendall Scholarship Fund: Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; the Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade.	5,959.61
Davis Scholarship Fund: Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions.	1,000.00
M. M. Carter Scholarship Fund: Gift of Mrs. Maria M. Carter, of Washington, D. C.,	
in 1871, to Columbian College, to found a scholarship for some deserving young man	1,000.00

Founders of Columbian Women Scholarship Fund:  A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College	\$1,800.00
Byron Andrews Memorial Scholarship Fund: A fund founded by Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students, in English, Latin, Journalism, History, Literature or Political Science"	3,000.00
Farnham Scholarship Fund: Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College	1,000.00
Powell Scholarship Fund:  Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States.	18,923.00
Mary Lowell Stone Scholarship Fund: Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for scholarships for needy women students in science in the Department of Arts and Sciences	2,000.00
H. H. Carter Scholarship Fund: Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University, as a foundation for scholarships in civil engineering in Columbian College.	5,000.00
Nellie Maynard Knapp Scholarship Fund: Gift of the Columbian Women, in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Depart- ment of Arts and Sciences	5,000.00
	\$50,635.74
Medical School and Hospital Funds:	
Cooper Medical Research Fund: Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C. as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington Univer- sity, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the	
nature, causation, prevention, and cure of malaria and other infectious and contagious diseases  National Park Seminary Hospital Endowment Fund:	10,000.00
National Park Seminary Hospital Endowment Fund: Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to George Washington University, for the endowment of a bed in the Uni-	
versity Hospital	500.00

Woodbury Hospital Endowment Fund: Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the hospital belonging to or connected with the Uni- versity.	
Chapman Hospital Endowment Fund:  Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital.	1,350.90
Tree Hospital Endowment Fund:  Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or	
beds"	10,000.00
	\$31,434.23
Prize Funds:	
Davis Prize Fund:	
Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since	
their connection with the College	700.00
Ruggles Prize Fund: Gift of William Ruggles, of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1859, to Columbian College, for a prize to be awarded annually for excellence in mathematics.	500,00
Staughton-Elton Prize Fund: Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek languages; one to be called the Staughton prize in Latin, the other the Elton prize in Greek	500,00
Fitch Prize Fund: Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School.	1,000.00
Walsh Prize Fund: Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history	300.00
Cutter Prize Fund: Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English	1,000.00
in the county of angular transfer	

Hubband Daine Family	
Hubbard Prize Fund: Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high	
standing in the classes of American history, may be required to present the best essay upon an assigned topic in this subject	
Ordronaux Prize Fund:  Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments.	4,762.50
Sterrett Prize Fund: Gift of Rev. J. Macbride Sterrett, in 1911, to George Washington University, in memory of his son, J. Macbride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining highest average in physics	200.00
	\$9,962.50
ENDOWMENT RESTORATION FUND.	
Non-permanent fund, principal and income usable for the purposes specified.	
Endowment Restoration and Accretion Fund:  A fund created by the Board of Trustees, October 10, 1917, without limitation of time or amount, to provide means for the restoration of principal of Endowment Funds used for current expenses prior to August 31, 1910. After such resotration has been effected from the fund or from any other source, the fund to be called General Endowment Accretion Fund, open and perpetual, the income only to be used for University purposes.	en 070 07
poses	\$2,279.97
ALUMNI ENDOWMENT FUND.  Permanent fund, principal to be invested and income to be used, for support of the general work of the University.	
Alumni Endowment Fund:  A fund established by the senior class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as	
directed by the Board of Trustees	25.00
Summary.  General Endowment Funds\$  Professorship Endowment Funds	258,781.94 107,049.61
Specific Endowment Funds:         50,635.74           Scholarship Funds.         31,434.23           Medical School and Hospital Funds         9,962.50	
Endowment Restoration and Accretion Fund	$92,032.47 \\ 2,279.97 \\ 25.00$
Total Endowment Funds \$	460,168.99

# EXHIBIT "O." ENDOWMENT FUNDS INVESTMENTS. As at August 31, 1920.

STOCKS.	
American Telephone and Telegraph Co.: 6 shares of stock	\$708.00
6 shares of stock	4,000.00
BONDS.	
Chicago Rock Island and Pacific Railway Co.:	
\$24,000 4 per cent First and Refunding Mortgage Bonds, due 1934	20,959.17
*Chicago, Rock Island and Pacific Railway Co.: \$10,000 4 per cent Collateral Trust Bonds, due 2002	8,094.72
Virginia Railway Co.: \$300 5 per cent First Mortgage Gold Bonds, Series "A,"	297.38
due 1962. Washington Railway and Electric Co.:	231.00
\$4.500 4 per cent Consolidated Mortgage Gold Donds,	3,631.25
due 1951 Potomac Electric Power Co.:	
\$15,000 5 per cent Consolidated Mortgage Gold Coupon	15,025.00
Bonds, due 1936. City of New Brunswick, New Jersey:	20,020,00
\$3,000 4 per cent Sinking Fund Bonds, due 1922 City of Medford, Massachusetts:	3,000.00
\$3 000 4 per cent Sewerere Loan Bonds, due 1924	3,000.00
Liberty Loan Bonds—Second Series	2,100.00
Liberty Loan Bonds—Third Series	6,300.00
Liberty Loan Bonds—Second Series.  Liberty Loan Bonds—Third Series.  Liberty Loan Bonds—Fourth Series.	1,950.00
TRUST NOTES.	
Thomas R. Marshall Note:	
Secured by deed of trust on part of lot 5, square 253, and lot 70, block 30, in Columbia Heights; interest	
546 per cent: due May 5, 1922	5,000.00
Washington Southern Improvement Compally NOVS:	
Secured by dead of trust on lots in squares ous, 502, 510,	11,000.00
Agnes Plunkett Notes	
Secured by deed of trust on part of lot 12, square 11, in	900 00
Meridian Hill; interest 6 per cent; due rebutaly 1, 1929	200.00
Arthur T. Ramsey and Judith L. Steele Notes:	
lot 9, block 32, Columbia Heights; interest 6 per cent;	3,000.00
Secured by deed of trust on lots 21, 22, 23 and part of lot 9, block 32, Columbia Heights; interest 6 per cent; due March 20, 1923	8,000.00
Fire of seven secured by deed of trust on lot 40, square 44,	
University Dank interest 6 nor cent. file September of	
	3,000.00
	0,000.00
Therest in \$350,000 note payable to Washington University,	
Trustee of Endowment Funds, secured by deed of trust, executed by the University to National Savings and Trust	
executed by the University to National Savings and Trust	
Company, Trustee, December 1, 1910, on Medical and Hospital Lands and Buildings; 1335, 1339, and 1341 H	
Hospital Lands and Buildings: 1335, 1359, and 1341 II	
Street N. W.; without interest; due on or before December 1, 1920.	

^{*}To secure these bonds the University has received 100 shares of Chicago, Rock Island and Pacific Railway Co. common stock.

escription for

Congressional Endowment:	
Lot 8, square 13\$2,565.00	
Lot 10, square 13	
Lot 12, square 13	
Lot 13, square 13 3,924.00	
Lot 9, square 16	
Lo. 8, square 23 3,055.00	
Lot 2, square west of 23	
Lot 5, square 87	
	\$21,539.00
Powell Endowment, 1707 I Street N. W	18,923.00
Chapman Endowment, Hyattsville	125.00
Corcoran Endowment, sub-lot 148, square 672	1,350.00
•	\$456,632.75
SUMMARY.	
Stocks \$4,708.00	
Bonds 64,357.52	
Trust Notes	
Real Estate	
21,001.00	456,632.75
Cash on hand for Investment, August 31, 1919, Exhibit "A."	3,536.24
The state of the s	0,000.21
Total Endowment Funds, Exhibit "M"	\$460,168.99

#### Ехнівіт "Р."

#### EXECUTORY TRUST FUNDS AND INVESTMENTS.

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

# Executory Trust Funds not Confined to Building Purposes:

Denman Law School Fund:		
Bequest of Hampton Y. Denman, of Washington, D. C., in 1904, to Columbian Uni-		
versity, for the use and benefit of the		
Law Department		\$8,423.67
Interest in General Property of the University	\$7,179.32	
Rita Weller Note:	0,,1,0,0	
Secured by deed of trust on lots 16 to 34		
and 36 to 44, square 849; interest 6 per	1 000 00	
cent; due October 25, 1921	1,000.00 244.35	
Law School Fund:	8,423.67	
Amounts set aside by the Trustees of the		
University since 1911 for the benefit of		
the Law SchoolLiberty Loan, First, Converted	700 00	3,607.73
Cash	500.00 3,107.73	
	\$3,607.73	

The state of the s		
Jacques Law School Fund:		
Bequest of Mrs. Mary Emma Jacques, of	1	
Washington, D. C., in 1912, to George	3	
Washington University, to be used in such	1	
manner as the Trustees may direct for	C.	\$4,832.04
the Law School		\$1,002.01
Rita Weller Notes:		
Secured by deed of trust on lots 16 to 34	ł	
and 36 to 44, square 849, interest 6 per	4 000 00	
cent: due October 25, 1921	4,000.00	
Cash	832.04	
· • • • • • • • • • • • • • • • • • • •	\$4,832.04	
Jacques Medical School Fund:		
Bequest of Mrs. Mary Emma Jacques, of		
Washington, D. C., in 1912, to George Washington University, to be used in	1	
such manner as the Trustees may direct		
for the Hospital of the University	,	5,126.48
U. S. Steel Corporation:		
\$3,000.00 5 per cent Sinking Fund Gold Coupon Bonds, due 1963	3,060.00	
Metropolitan Railroad Co.:	0,000,11	
\$1,000.00 5 per cent First Mortgage Gold		
Bond, due 1925	1,070.00	
Liberty Loan Bonds—Fourth Series		
Cash	596.48	
Cabatatatatatatatatatatatatatatatatatata		
	\$5,126.48	
Mayer Hospital Fund:		
Bequest of Theodore J. Mayer, of Wash-		
ington, D. C., in 1907 (received in 1910),		
to George Washington University, Ior		4,336.89
the benefit of the University Hospital		4,000.00
Potomac Electric Power Co.:		
\$2,000.00 5 per cent Consolidated Mort-	0 000 75	
gage Gold Coupon Bonds, due 1936	2,028.75	
Washington Gas Light Co.:		
\$1,000.00 5 per cent General Mortgage	1,105.00	
Gold Bond, due 1960	500 00	
Liberty Loan Bonds—Fourth Series	703.14	
Cash		
	\$4,336.89	
Isabel P. Anderson Fund for Filipino Students:		
A fund of \$1,000.00 contributed by Mrs.		
Larz Anderson for scholarships in George		
Washington University to Filipino		200 04
Students		239.64
Students	239 64	
Hasnital Improvement Fund:		
A fund contributed by the Trustees of the		
University for the improvement of the		
sanitary conditions at the University		41 00
Hospital	41 00	41.92
Cash unexpended	41.92	
	\$26,608.37	\$26,608.37
	\$20,000.07	

Building Funds:  Law School Building Fund:  Gifts of various persons towards a fund authorized by the Trustees of the University May 31, 1916, for purchasing site and erecting a Law School building. Washington Railway and Electric Co.:  \$1,000.00 4 per cent Consolidated Mort gage Gold Bond, due 1951.	860.00	\$2,879.64
	\$2,879.64	
General Building Fund: Gifts of various persons toward a fundauthorized by the Trustees of the University May 31, 1916, for purchasing sites, buildings and equipment, remodeling or rebuilding, and paying off obligations. This is an open subscription fund, to be continued and increased indefinitelyLiberty Loan Bonds—Fourth SeriesCash		727.97
Pitte Thomas Dollar Duilding and Chaunda	\$727.97	
Fifty Thousand Dollar Building and Grounds Fund:  Gifts of various persons toward a fund authorized by the Trustees of the Uni- versity for purchasing sites and buildings, remodelling or rebuilding, and paying off obligations.  Cash.  1919 One Hundred Thousand Dollar Fund: Gifts of various persons toward a fund authorized by the Trustees of the Uni-		405.00
versity, the proceeds, principal and interest, usable for grounds and buildings and for general purposes	7,402.00	7,402.00
Chemistry Building Fund: Gifts of various persons towards a fund, principal and interest usable for a Chemi- cal Laboratory Building	115.00	115.00
Ŧ	\$11,529.61	\$11,529.61

#### TRUST ACCOUNTS

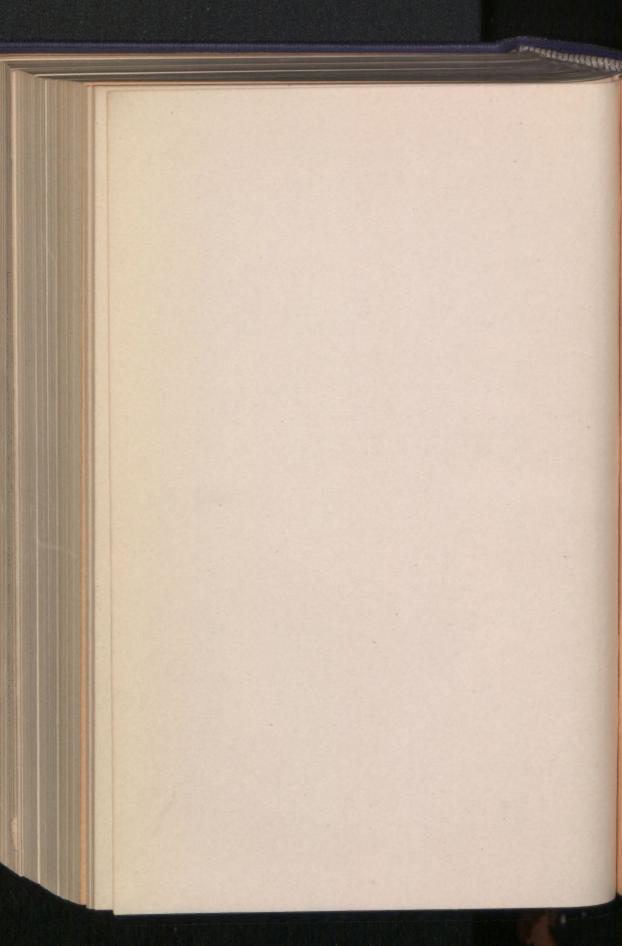
Funds not confined to building purposes Building Funds.	\$26,608.37 11,529.61	
Bonds Trust Notes Deed of Trust.		\$9,623.75 5,000.00 7,179.32
Cash		\$21,803.07 16,334.91
=	\$38,137.98	\$38,137.98

ENDOWMENT AND EXECUTORY TRUST FUNDS, INCOME AND EXPENSE. For the year ended August 31, 1920. EXRIBIT "Q."

		1000				
	Balance Au	Balance Aug. 31, 1919.	Year ended Aug. 31, 1920.	l Aug. 31, 0.	Balance Aug. 31, 1920.	g. 31, 1920.
	Debit.	Credit.	Expense.	Income.	Debit.	Credit.
Endowment Funds: Congressional Professorship of English Fund Corcoran Endowment Fund Elton Professorship Fund Alumni Professorship of Mathematics Fund Alumni Professorship of Mathematics Fund Alumni Professorship Fund Withington Scholarship Fund Withington Scholarship Fund Fowell Scholarship Fund Davis Scholarship Fund H. H. Carter Scholarship Fund Byron Andrews Memorial Scholarship Fund Ocoper Medical Research Fund Nellie Maynard Knapp Scholarship Fund Noodbury Hospital Endowment Fund Woodbury Hospital Endowment Fund Tree Hospital Endowment Fund Tree Hospital Endowment Fund Walsh Prize Fund Tree Hubbard Prize Fund Outter Prize Fund Sterrett Prize Fund Cutter Prize Fund Cutter Prize Fund Sterrett Prize Fund Ordronaux Prize Fund Sterrett Prize Fund Sterrett Prize Fund	\$67.85 206.25 206.25 71.87 6.08	\$270.55 1,237.51 534.03 69.63 114.09 344.04 1,015.01 2,271.17 252.27 449.12 429.59 60.48 84.06	\$270.55 1,237.51 462.00 2,361.70 180.00 397.05 807.41 149.12 832.54 31.50 50.00 40.00	\$310.35 1,419.60 215.53 40.85 40.85 1.75 1.8.70 22,000.04 24,63 492.64 34.48 11.62 14.76 492.64 34.48 11.62 14.76 492.64 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 34.86 36 36 36 36 36 36 36 36 36 36 36 36 36	\$65.88 206.25 40.50 110.25	\$310 35 1,419.60 749.56 110 48 1175 1132 79 103 71 653 35 2,366 76 276 90 77 08 69 69 63.46 93.31 93.31 63.46

		22002
62: : :	53 29 53 53	88 88
10.62	39.	\$7,853.46 422.88 \$7,430.58
::::	: : : : : : : : : : : : : : : : : : :	8 4 4
:::	::: :	87 87
		1
1111		88 : :
::::		\$422
::::		22 : :
<u>::::</u>		
922 03	53.45	8: :
85. 85. 339.		\$8,252.78
178282	12 1 3	2 :
		∞ :   :
200327	00 r0 00 :4 : :	98 . 78
657 159 664 664	2040 :4 : :	25 25
-		\$10,772.9 8,252.7 \$2,520.20
		66 66
228834	: 888888	10.343.33 392.55 \$9,950.78
845.84	313.	343.
4 . 70 80 0	16 2 2	8 8 9
	:	\$10.
	:	99
		\$392.55
::::	: : : : : : : :	0: :
::::		833
::::		: :
::::		
::::	:: ts: d:::	: :
:::::	tecretion Fund. lipino Students Dollar Fund.	
: : : : :	Function :	
:::::	: : : : :	
:::::	: chi : ret : :	: :
	Deli E	
::::-	: :pg::	: :
	Fund	
: 11 : 11	Fund nd tion s ing F und f Thou	: :
P. F.	g Fund ration and liding Fund Fund for J d Thousan g Fund	
Fu Fu Sel	lin tor red ng	: :
Trust Funds: Hospital Fund In Law School Fund Law School Fund Medical School	chool Building al Building Furnent, Restoranistration Build P. Anderson F. One Hundred istry Building	: :
Prit Fr	Bu Hu	
Lav Lav Me	Bull Bull	See See
Se cho	School ral Buwmen nistra I P. A One nistry	lan
ecutory Trust Funds:  Mayer Hospital Fund.  Domman Law School Fund.  aw School Fund.  acques Law School Fund.	Law School Building Fund. General Building Fund. Andowment, Restoration and Accretion Fund. Administration Building Fund. Babel P. Anderson Fund for Filipino Students. 1919—One Hundred Thousand Dollar Fund. Chemistry Building Fund.	Balances Balances
Ma Ma Der Jac	Sal Sal	
Ex	-044440	Less Net

89.950.78		8,252.78	18,203.56	3,813.60 10,772.98	\$7,430.58
Summary. Unexpended Income, Cash on Hand September 1, 1919.	36 T	Total	Expenses for the year: Endowment Funds	Executory Trust Funds 3,813.60	Unexpended Income, Cash on Hand August 31, 1920



## Form of Bequest.

#### FOR EXECUTORY ENDOWMENTS.

"I give and bequeath to the GEORGE WASHING-TON UNIVERSITY, of Washington, D. C., the sum of.........dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine.

#### FOR GENERAL ENDOWMENTS.